

TO FRUIT GROWERS.  
The First Bulletin Issued by the  
State Board of Horticulture.

From time to time the state board of horticulture will issue pamphlets or bulletins; these will receive publication in the TELEPHONE-REGISTER, and people interested in fruit should read them.

OFFICE OF OREGON STATE BOARD OF HORTICULTURE, No. 171 SECOND ST., PORTLAND, OR., April 10, 1889.  
Bulletin No. 1.

The necessity for immediate action in battling with the obnoxious pests that have already secured so strong a hold in many of the orchards of Oregon, prompts the state board of horticulture, created by the last legislature, and which met and organized but yesterday, to issue this bulletin, its first act toward carrying out the objects for which it has been created. The information contained in this bulletin is of necessity brief, and somewhat crude, for time will be required to enable the board to secure that information from practical experiments that shall be of most value to the orchardist in particular, and to the horticulturist in general.

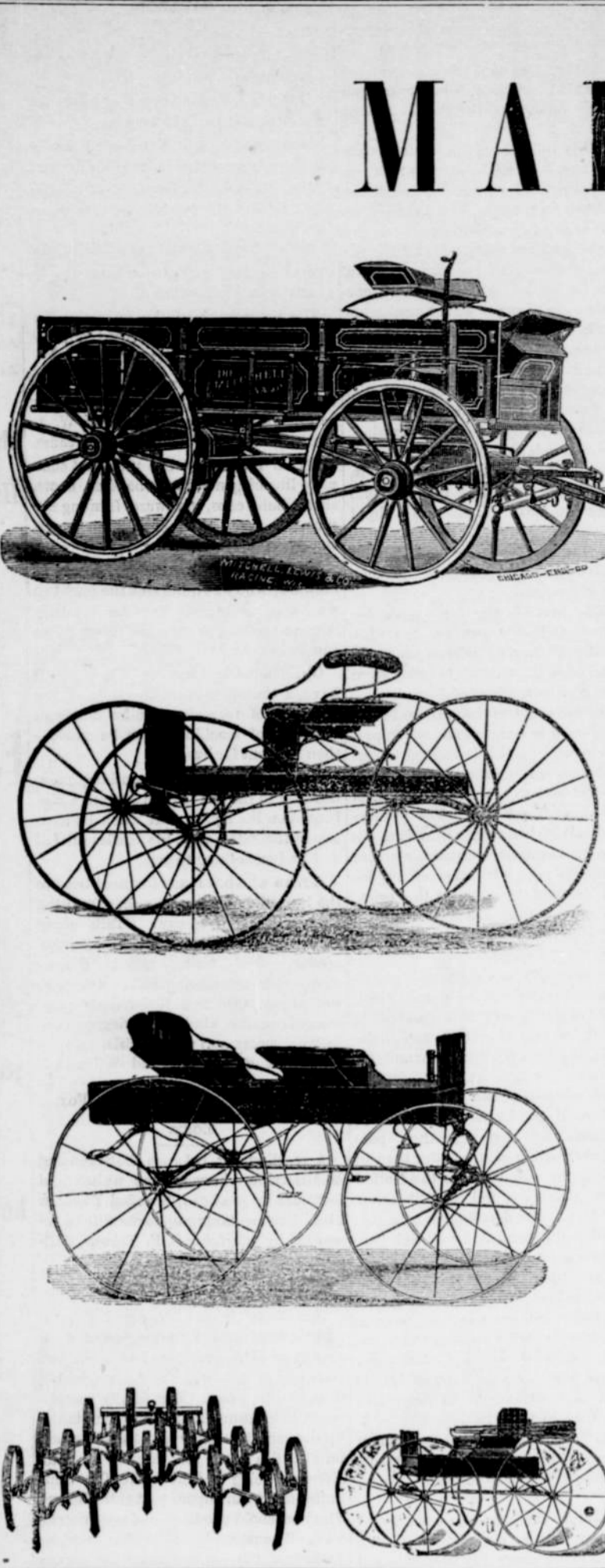
THE CODLIN MOTH.  
The Codlin moth is without question the insect that needs to be looked after first, as it is without doubt the worst pest ever introduced into the state. It is needless to write at length about the ravages of the enemy of the pear, apple and quince; those who have suffered from his acquaintance know him well; those who have been so fortunate as to escape his acquaintance will do well to use the one ounce of preventive and keep him out, and so have no need for the pound of cure. It is only by "eternal vigilance" that Oregon's reputation for producing the "big red apple" sound and free from worms, "can be maintained." We therefore appeal not only to that first law of nature, "self preservation," but to that nobler one that stirs the heart and prompts to nobler deeds that the entire state may be benefited thereby.

REMEDIES AGAINST THE CODLIN MOTH.  
There are two modes of fighting them generally made use of—one is to prevent the hatching of the egg, or the killing of the young worms while working into the fruit; the other is the catching of the worms in traps as it is escaping from the fruit, or by having the fruit eaten by hogs as soon as it drops from the tree and before the worm escapes. The first mode is without doubt the most successful, and is also the least expensive. This is accomplished by spraying the trees with London purple or Paris green, using one pound of either to one hundred and fifty gallons of water. Paris green is a compound of arsenic and copper. It is a far more powerful poison than arsenic alone, and is not soluble in water, hence it will remain much longer on the trees. London purple is another arsenical compound. It is the residue from the manufacture of aniline dye, and contains lime, arsenic acid and carbonaceous matter. It is soluble, more adhesive and less poisonous than Paris green, and therefore is to be preferred. It is better to wet the powder thoroughly and make a paste before putting it into the vessel of water that it may not form lumps. The spray is caused by forcing the liquid by means of a force pump through a fine perforated nozzle, made specially for the purpose. The finer it is the less liquid will be required. The important thing is to scatter the spray on all the fruit.

WHEN TO SPRAY.  
The Codlin moth soon after the fruit sets, lays her eggs up in the calyx end of the young fruit. The grub as soon as hatched eats its way into the center of the young fruit, and there growing with its growth works its mischief. In its early state the young fruit is erect, its calyx outward, and the least particle of motion will cause it to fall. It is sufficient to destroy the young worm when it attempts to eat its way into the fruit; therefore, the best and most opportune time for spraying the trees is soon after the fruit is set, and when it is about the size of a small pea. Experience teaches, however, that it is not safe to depend upon the one early spraying to accomplish the results sought for, whether coming from a second or perhaps third crop, which many affirm and others deny, or from those that from some cause have not matured as rapidly as others, still the facts remain that in many places the Codlin moth does not sting the fruit and lay the eggs until later in the season; therefore, to obtain the best results the spraying should be continued with an interval of two weeks until the first of July, and even later than this on some varieties. Care should be observed that vegetables are not sprayed with these mixtures, and no animals be allowed to eat the grass that has been saturated with the spray.

THE GREEN APHIS.  
The use of the above mentioned sprays will be of great value to the orchard not only in ridding it of the Codlin moth, but they will also be found beneficial in freeing it from many other obnoxious insects and fungi that are a source of great annoyance and often of great danger to the trees and fruit. There are a number of mixtures that will operate successfully in exterminating the green aphid or apple tree louse, and can be used as most convenient to be prepared:  
First. Take 1/2 pound borax soap, 1/2 pint kerosene oil; mix in 2 1/2 gallons hot water.  
Second. One pound of white oil soap dissolved in three gallons of hot water. And still a third which is easily prepared:  
One pound of common laundry soap dissolved in sixteen gallons of hot water. Apply any of these mixtures by means of a spray pump where the aphid begins to show themselves.  
The time has arrived when every person having an orchard should be the owner of a force pump with a spray nozzle specially adapted to the work of spraying trees. Where one person has not sufficient use for a pump to justify him in buying one for himself alone, let him join with a few neighbors and get one that will serve them all. The cost of the material and the time required in applying it is small. London purple or Paris green costs but 25 cents per pound in small quantities, and pumps all complete ready for use can be had from \$14 to \$24 each, according to size and capacity for work.

It is the desire of the board to do all



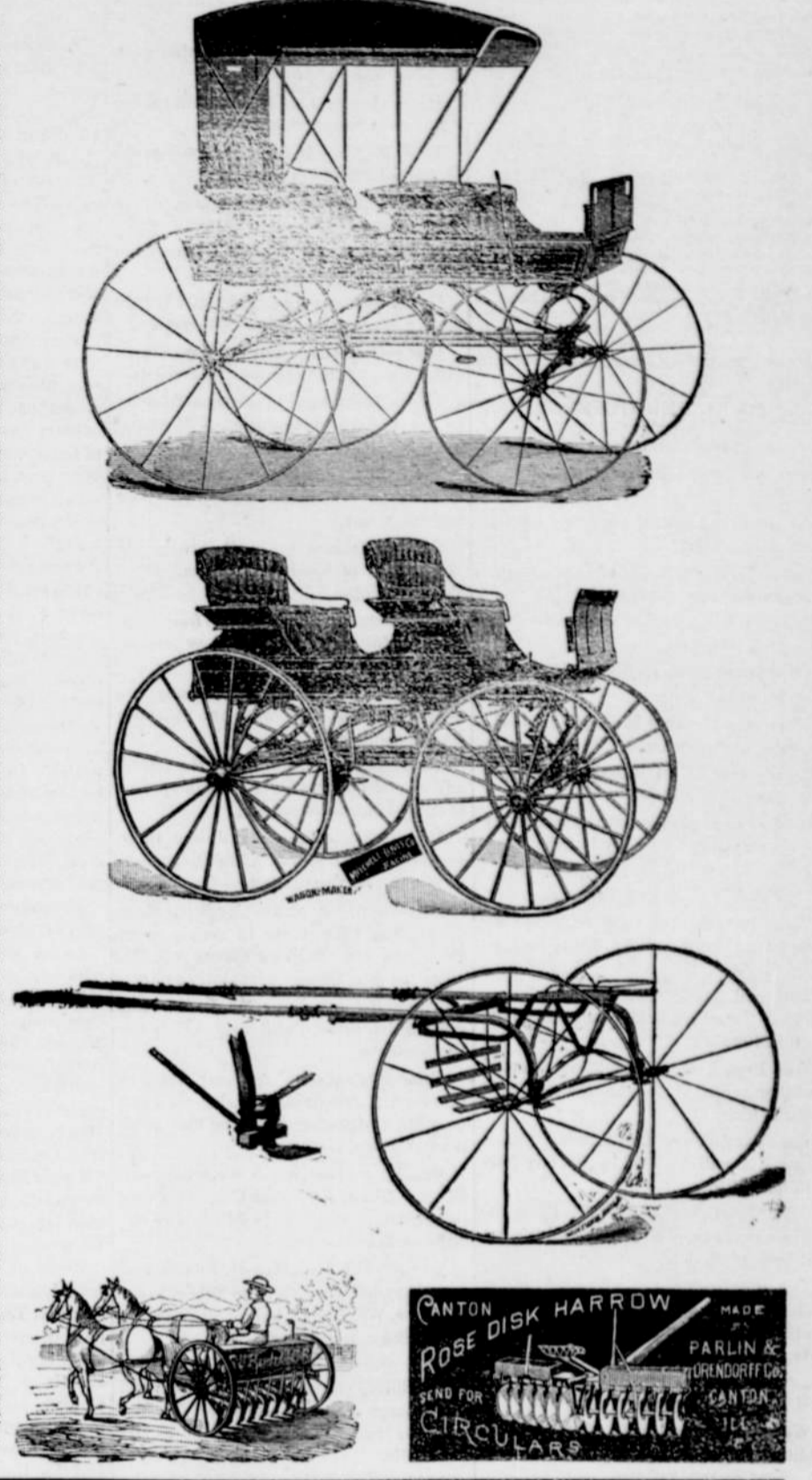
# MARTIN & SANDELLS

## ARE STILL ON TOP!

They have received direct from the factory a Carload of the Finest Buggies and Carriages ever bro't into Yamhill County.

THE NOBBIEST LOT of Barouches, Carriages, Phaetons, Jump seat rigs, Buggies, Spring Wagons, Etc., you ever laid your eyes upon. Their brand of buggies have been well tested in this climate and are guaranteed in every particular. Having purchased these buggies direct from the factory they are prepared to

QUOTE YOU BETTER PRICES than have ever before been offered in the Valley.



rather Shapeless. "Peter the Post" thus writes to the Klammath Star from Keno: "A pious man of Washington territory is among the writers to the postmaster for information concerning this Eldorado, and to this question, 'In what shape is religion in your community?' R. A. Emmitt, acting as deputy correspondent, replied: Transfigured. Religion hasn't the good old Washington territory shape it had. Bring all your religion with you, for people here will pay a cent a pound more for fish caught on Sunday than for those caught on a week day, and nobody reads anything but Sunday newspapers. Bring along your whole system of faith and worship, together with all your pious practices and a large two-quart contribution box, for we are wealthy, wicked and suffering for a sudden change in the shape of our religion."

One-third of the whole population of Iceland emigrated last year moved, it is said by the unpopularity of the Danish government and the blameworthy of Canadian emigration agents.

Motherly Solitude. "What a fine little fellow," said the patronizing old gentleman who had been elected representative for four successive terms from his congressional district. His remark was addressed to a kind-faced lady who held in her arms a little fellow who blinked gravely at all that was going on.

Children Cry for Pitcher's Castoria. All persons are forbidden from hunting or fishing on our premises. Any violation of this notice will be prosecuted to the full extent of the law.

THE NADJY BAR! In the COOK HOUSE. The Best Bar in the City. Stocked with the choicest Wines, Liquors and Cigars—Domestic and Imported.

THE STANDARD TROTTER STALLION, DICK FLAHERTY, Record 2:30. Will Make the Season of 1889, Commencing April 1, Ending July 1, AT McMINNVILLE FAIR GROUNDS, Yamhill County, Oregon.

DESCRIPTION AND PEDIGREE: DICK FLAHERTY is a chestnut, small strip in face, one white ankle; stands 16 hands high; weighs 1100 pounds; winner of the 2-3/4 class at City View Park, September 15, 1888, defeating Mend Knox, Queen Oleander and Harvest in three straight heats. This was Dick's first and only race, at which time he made his record of 2:30. Sired by Fearnaught, Jr. he by Fearnaught 112, record 2:23 1/2, (winner of the \$10,000 purse at Buffalo in 1888, defeat George Palmer, Col. Maynard, American Girl, J. J. Bradley, Myron Perry, Victor Hugo and Molly); he by Young Morrill. Dick Flaherty's dam, Bell Drow, has paced a mile in 2:30, by Dodd's Nelson, by John Nelson 1:57, 3/4 dam by Butterfield's St. Clair, 3/4 dam by Blackleg, by Elmer's Hatter, 3/4 dam by Jack Hawkins, by Boston; 5/8 dam by Old St. Clair. Fearnaught, Jr., dam Haldee, by Old Columbus, 3/4 dam by Harris' Hambleton; 3/4 dam Boston Girl, a celebrated 3-mile trotter, qd Old Abolish.

ARE YOU GOING EAST? If so be sure and call for your tickets via the Chicago & Northwestern Railway, "THE FAMOUS ROYAL ROUTE," It is positively the shortest and finest line Chicago and the east and south, and the only sleeping and dining car through line.

The Royal Route. Others may imitate, but none can surpass it. Our motto is "always on time." Be sure and ask ticket agents for tickets via this celebrated route and take none others.

ADVERTISERS can learn the exact cost of any proposed line of advertising in American papers by addressing Geo. P. Rowell & Co., Newspaper Advertising Bureau, 10 Spruce St., New York. Send 10c for 100-Page Pamphlet.

Notice of Final Settlement. Notice is hereby given that the undersigned, executor of the estate of Nancy Moor, deceased, has filed his final account of his administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed

Notice of Final Settlement. Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington territory," John H. Rankin, of Portland, county of Multnomah, state of Oregon, has this day filed in this office his sworn statement No. 433, for the purchase of the s 1/2 of sec 1 and lot 1 and 2 of section No. 4, in township No. 2 south, range No. 6 west, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon, on Wednesday, the 5th day of June, 1889.

Notice of Final Settlement. Notice is hereby given that the undersigned, executor of the estate of James Green, deceased, has filed his final account of her administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed

Notice of Final Settlement. Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington territory," Henry Troeger, of Portland, county of Multnomah, state of Oregon, has this day filed in this office his sworn statement No. 440, for the purchase of the s 1/2 of section No. 10, in township No. 2 south, range No. 6 west, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon, on Thursday, the 29th day of June, 1889.

Notice of Final Settlement. Notice is hereby given that the undersigned has filed in the county court of Yamhill county, Oregon, his final account as administrator of the estate of Mary-Olds Taylor, deceased, and said court has set

Timber Land, Act June 3, 1878. Notice of Publication. LAND OFFICE AT OREGON CITY, Oregon, Mar. 30, 1889.

Notice of Final Settlement. Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington territory," Edward E. Espy, of Portland, county of Multnomah, state of Oregon, has this day filed in this office his sworn statement No. 432, for the purchase of the s 1/2 of section No. 4, in township No. 2 south, range No. 6 west, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon, on Wednesday, the 5th day of June, 1889.

Notice of Final Settlement. Notice is hereby given that the undersigned, executor of the estate of James Green, deceased, has filed his final account of her administration of said estate in the county court of Yamhill county, Oregon, and said court has fixed

Timber Land, Act June 3, 1878. Notice of Publication. LAND OFFICE AT OREGON CITY, Oregon, Mar. 29, 1889.

Notice of Final Settlement. Notice is hereby given that the undersigned has filed in the county court of Yamhill county, Oregon, his final account as administrator of the estate of Mary-Olds Taylor, deceased, and said court has set

Timber Land, Act June 3, 1878. Notice of Publication. LAND OFFICE, Oregon City, Or., March 8, 1889.

Notice of Final Settlement. Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington territory," William W. Espy, of Portland, county of Multnomah, state of Oregon, has this day filed in this office his sworn statement No. 431, for the purchase of the s 1/2 of section No. 4, in township No. 2 south, range No. 6 west, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at Oregon City, Oregon, on Wednesday, the 5th day of June, 1889.

Timber Land, Act June 3, 1878. Notice of Publication. LAND OFFICE, Oregon City, Or., March 8, 1889.

Timber Land, Act June 3, 1878. Notice of Publication. LAND OFFICE AT OREGON CITY, Oregon, Mar. 29, 1889.

Notice of Final Settlement. Notice is hereby given that the undersigned has filed in the county court of Yamhill county, Oregon, his final account as administrator of the estate of Mary-Olds Taylor, deceased, and said court has set

MARLIN REPEATING RIFLES BALLARD HUNTING GALLERY TARGET RIFLES. The best and simplest MADE. Strongest Shooting. EASIEST WORKING. All sizes from 22 calibre to 45 calibre. ALL PRICES FROM \$15.00 UP. Stand without a rival for accuracy and killing power on large or small game. We guarantee Our Goods EQUAL TO Anything Produced IN THAT LINE. Catalogue is just out. Ask your dealer to show our rifles. Illustrated Catalogue sent FREE on application. Address: MARLIN FIRE ARMS CO. P. O. Box 20 EN, NEW HAVEN, CONN. Lyman's Patent Combination Gun-Sight.

THE TELEPHONE-REGISTER, McMINNVILLE, OREGON, May 3, 1889. THE CODLIN MOTH. THE GREEN APHIS. CHILDREN CRY FOR PITCHER'S CASTORIA. THE NADJY BAR! ARCHITECTS & BUILDERS. PATENTS. TRADE MARKS. ADVERTISERS. THIS PAPER is on file in Philadelphia.