THE CHINCH BUG.

The State Entomologist of Illinois Tells How to Fight This Pest.

In bulletin No. 33 from the agricultural experiment station of the University of Illinois Professor S. A. Forbes says: Economic measures now available are practically limited to experiments for the destruction of the chinch bugs by the introduction of their contagious diseases, and to the interposition of barriers between small grain and corn to prevent their passage from one to the other as infested fields of small grain ripen or are destroyed. To accumulate and kill them as they pass from field to field a deep furrow may be plowed—to be kept clean and as friable as possible, especially on the vertical side, next the field to be protected—and in this the accumulating bugs may be killed by a mixture of kerosene and water (about one part to eight) thoroughly and repeatedly shaken together. A variation of this method, used very successfully in Wisconsin, is to lay a quantity of green wheat or oats or fresh corn stalks in the furrow, in which the chinch bugs can be killed with this kerosene mixture as they accumulate.

An added measure of success with the barrier method may be secured if two parallel furrows are made instead of one and the soil between them be kept dusty. The chinch bugs escaping the kerosene mixture or other destructive agent in the outer furrow could then be killed in the second. If they succeed in passing these barriers and collect upon the outer rows of corn, they may there be killed with kerosene, which should then be applied in the form of an emulsion to prevent injury to the young corn itself. To prepare this fluid mix 2 parts of kerosene with 1 part of strong hot soapsuds, and violently agitate the mixture with a hand force pump until a permanent cream or butter is formed. This may then be diluted with 10 or 12 parts of water and applied either with a sprinkler or in a spray from a hand force pump.

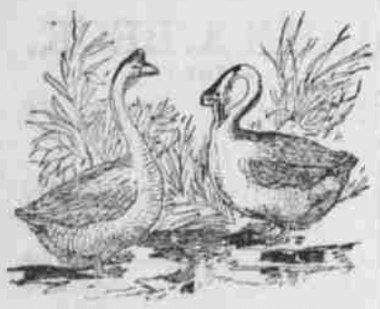
A more expensive and less readily manageable method is the planting of strips of some favorite food plant, as spring wheat or other quick growing succulent cereal or grass, around infested wheat or around corn to be protected, where the chinch bugs may accumulate and be destroyed before laying their eggs for the second generation of the year. The bugs may be confined to the strip after having entered it by furrows plowed all around it and attended to from day to day until the destruction is complete.

For the benefit of those who wish to experiment with the introduction of contagious diseases arrangements have been made to infect and distribute live chinch bugs to farmers, the funds for this experiment having been furnished by the board of direction of the state agricultural experiment station. The results of this method are, however, not sufficiently certain to warrant an entire dependence upon it. Eleven years' experience with the chinch bug emphasizes the fact that it is not to be mastered by any one measure or any one man, but that joint action on an intelligent programme of preventive and protective measures persistently followed up offers the only valid hope of success.

Brown China Geese.

The color of this variety of geese is not uniform, but is in most instances brown, shading from dark to light. One peculiarity of the China goose is a knob at the base of the bill, and this has given it the name of the knobbed goose. It is not as large as the common goose. Indeed, when compared with the large breeds, it seems small, but as a compensation lays twice as many eggs in a season, producing 25 or more at the first laying in spring, and if broken up in its attempt to sit laying again and again.

Other geese are generally, though not invariably, satisfied with one attempt at incubation, and if frustrated



PAIR OF BROWN CHINA GEESE.

in that will commence contentedly their long period of unproductiveness, except as we reckon the value of their feathers and gain in weight. But this comparatively small breed lays eggs not more than two-thirds as large as those of the common gray goose. The quality of their flesh is superior, and they fatten easily.

The Poultry World says: On account of their beauty and productiveness they should receive favorable attention from those in this country whose taste inclines them to keep water fowl, and this class is not as large as it should be, though it is happily increasing.

General News and Notes.

The executive committee of the Association of American Agricultural Colleges and Experiment Stations has decided to hold the next meeting at Washington on Nov. 13.

The census of the hay crop makes it appear that there has been of late years an enormous gain in the central states.

Artesian wells are causing great changes in the agricultural prospects of Queensland, Australia and New South Wales.

No fruit is expected in the Piedmont and Ohio valley districts and but little in the Missouri belt. Prospects are brighter in the mountain and Pacific states.

The peach crop, commercially considered, is practically a failure. The condition of apples is rather better than that of peaches.

THE GUINEA FOWL.

Its Finely Flavored Flesh and Eggs Are Highly Prized by Epicures.

Guinea fowls are among the most neglected breeds of domestic poultry known in this country. As a marketable commodity the guinea cannot yet rank very high on account of the fact that but few persons have ever eaten them, consequently do not know or appreciate their merits as a table fowl. In point of fact the flesh of this fowl is of delicious flavor, being much like that of the pheasant.

Those who are fond of game or of poultry which has a gamy flavor will not fail to be abundantly satisfied with

A GUINEA FOWL.

the guinea fowl, which is composed entirely of dark meat and which has retained through long years of comparative domestication the half wild habits which, it seems, cannot be effectually bred out of them.

The Poultry Yard says: Do not kill the old birds, for they make rather tough eating, but select the cocks between 1 and 2 years old—not older, as these have their full growth and are juicy and splendid eating when nicely roasted in a moderate oven.

The eggs of the guinea are very rich and of fine flavor, and what they lack in size is fully made up by the large numbers laid by the hens each season, though it is not the easiest thing in the world to find just where the nests are, even though careful and persistent search be made. The size of the eggs and the comparative difficulty to tell whether they are fresh or not until they are broken open prevent in a great measure their ever becoming popular in our markets.

Ripening Tomatoes.

It does not seem to be generally known that tomatoes do not require sun, but ripen best in warm, dark places. One can hardly pass along by country homes without seeing in the kitchen windows rows and rows of this delicious fruit in all stages of ripening—and decaying, too, perhaps—for sunstrokes are common among the "love apples," and exposure to too much light and sun heat ruins them altogether oftentimes. An illustrated description from American Gardening suggests a simple plan for storing tomatoes while they are in process of ripening.

It consists of a dry goods box fitted with sliding shelves and a snug door. The closet may be large or small, with

FOR RIPENING TOMATOES.

more or less shelves, according to the amount of the fruit. When filled, it should be set in a warm, moist place and inspected from time to time in order to remove any of the fruit that may have ripened before there is possibility of decay and consequent harm to the rest. The convenience of the sliding shelves is apparent here, as a whole shelf full may be inspected at a glance by slipping out the shelf. Darkness is the important thing, and the closely fitting door at once secures that, leaving only the necessary moisture and warmth to be attended to.

All Free.

Those who have used Dr. King's New Discovery know its value, and those who have not, have now the opportunity to try it free. Call on the advertised druggest and get a trial bottle free. Send your name and address to H. E. Bucklen & Co., Chicago, and get a sample box of Dr. King's New Life pills free, as well as a copy of Guide to Health and Household Instructor free. All of which is guaranteed to do you good and cost you nothing. Charman & Co.'s Drugstore, Charman Bros. Block.

We might tell you more about One Minute Cough Cure, but you probably know that it cures a cough. Every one does who has used it. It is a perfect remedy for coughs, colds hoarseness. It is an especial for children, being pleasant to take and quick in curing. C. G. Huntley, druggist.

A beautiful woman must be healthy, and to remain healthy and beautiful she should take Dr. J. H. McLean's Strengthing Cordial and Blood Purifier It imparts tone and flush to the skin, vigor and pure blood; is equally adapted for all ages, from the babe to the aged, of either sex. For sale by C. G. Huntley, druggist.

Frequently accidents occur in the household which causes burns, cuts, sprains and bruises; fog use in such cases Dr. J. H. McLean's Volcanic Oil Liniment has for many years been the constant favorite family remedy. For sale by C. G. Huntley, druggist.

You make no mistake when you take De Witts Little Early Risers for biliousness, dyspepsia or headache, because these little pills cure them. C. G. Huntley, druggist.

The latest in visiting cards at the ENTERPRISE OFFICE. Prices to suit you.

Boys vs Electricity.

"The Simple Story of How to Build an Electric Motor at Home" is the title of a serial now running in the Detroit Electrical Student. The story of how to build motor No. 2, and the battery to run it, told in language a child can understand, begins with the issue of March 2. Give the boys a chance. Electricity will be the biggest bread-winner of the 20th century. Perhaps your boy, if he gets a start, will make it his life-work. The Student is a crisp little weekly for amateur students of electricity. One dollar a year. Five subscriptions will bring the sender castings and material for one motor ready to be built, freight prepaid. Student Publishing Company, 33 Layfayette Ave., Detroit, Michigan.

In the fall of 1893 a son of Mr. T. A. McFarland, a prominent merchant of Live Oak, Sutter Co., Cal., was taken with a very heavy cold. The pains in his chest were so severe that he had spasms and was threatened with pneumonia. His father gave him several large doses of Chamberlain's cough remedy which broke up the cough and cured him. Mr McFarland says whenever his children have croup he invariably gives them Chamberlain's Cough Remedy and it always cures them. He considers it the best cough remedy in the market. For sale by G. A. Harding, druggist.

Are You Going East?

If so, it will pay you to write to A. C. Sheldon, general agent of the "Burlington Route," 250 Washington street, Portland. He will mail you free of charge, maps, time tables, and advise you as to the through rates to any point, reserve sleeping car accommodations for you, and furnish you with through tickets via either the Northern, Union, Southern, Canadian Pacific or Great Northern railroads at the very lowest rates obtainable.

The Burlington route is generally conceded to be the finest equipped railroad in the world for all classes of travel.

Through Trains Without Transfer.

Travellers must not forget that the O. R. & N. line is thoroughly repaired and all trains are running without transfer or delay. Through service to Omaha, Kansas City, St. Louis and Chicago; Pullman sleepers, free reclining chair cars, upholstered tourist sleepers and modern day coaches. Call on O. R. & N. Agent before purchasing tickets, or address W. H. Hurlburt, Gen'l Passenger Agent, Portland, Oregon.

Blank note, receipt and order books at the ENTERPRISE office

CLACKAMAS LODGE, No. 57, A. O. U. W. Meets first and third Monday in each month, at Straight's Hall. Visiting brethern welcome.
C. E. PEASE, Rec. S. HOLCOMB, M. W.

A. P. A. COUNCIL NO. 4,
Meets on the first and third Fridays in each month at K. of P. hall. Visiting members always welcome. A. W. FRANCE, Pres.

CATARACT HOSE CO. No. 2.
Meets second Tuesday of each month at Cataract Engine house. W. H. HOWELL, Pres. G. H. BESTOW, Sec'y. J. W. O'CONNELL, F'n

Sheriff's Notice of Sale on Execution.

In the Circuit Court of the State of Oregon, for the County of Clackamas.

Henry Meldrum, plaintiff, vs. Dominic McIntyre, defendant.

State of Oregon, County of Clackamas, ss.

Notice is hereby given that by virtue of an execution and order of sale issued out of the circuit court of the State of Oregon for the County of Clackamas, bearing date the 26th day of February, 1895, in a suit wherein Henry Meldrum was plaintiff, and Dominic McIntyre was defendant, commanding me, in the name of the State of Oregon, that out of the real estate hereinafter described, to realize a sum sufficient to satisfy the demands of said decree, to wit: $98.00, and the further sum of $16.00 costs, and the further sum of $50.00 as attorney fees, together with interest on the same since said decree was entered at 10 per cent, per annum, and also the costs of and attending this sale.

Now, therefore, in obedience to such decree, I did on the 4th day of October, 1894, duly attach, and on the 28th day of February, 1895, duly levy upon, and will, on Saturday, the 6th day of April, 1895, at the hour of 1 o'clock P. M. of said day, at the front door of the court house in said county, offer for sale at public auction, and sell to the highest and best bidder, for cash in hand, all of the right, title and interest the said defendant on the 4th day of October, 1894, had in and to the following described real property, to wit: The east half of the northwest quarter, and the northwest quarter of the northeast quarter of section 8, in township 4, south of range 2, east of the Willamette meridian, and the northeast quarter of the southeast quarter, and the southwest quarter of the southeast quarter of section 5, in township 4, south of range 3, east of the Willamette meridian; all in Clackamas county, Oregon.

Dated this 7st day of March, A. D. 1895.
E. C. MADDOCK,
Sheriff of Clackamas county, State of Oregon,
By N. M. MOODY, Deputy. 3-8:4-5

ADMINISTRATOR'S SALE

Notice is hereby given, that by authority of an order issued out of the County Court of the state of Oregon, for the county of Marion, on the 25th day of February, A. D. 1895, I will, as administrator with the will annexed of the estate of Charles Mathes, deceased, on Saturday, the 6th day of April, 1895, at one o'clock P. M. of said day, sell at public auction to the highest bidder, all the right, title and interest of said decedent in and to the following described lands:

The west half of section thirty-three (33), in township five (5), south, range one (1), east of the Willamette meridian, in Clackamas county, Oregon, containing 320 acres of land, more or less.

The sale will be conducted upon the premises near Marquam, Clackamas county, Oregon. Terms of sale cash. J. H. MCNARY,
Adm'r with the will annexed of said estate.
March 7, 1895. 3-8:4-5.

SUMMONS.

In the Circuit Court of the State of Oregon for the County of Clackamas.

Julia Palmer, plaintiff, vs. John Palmer, defendant.

To John Palmer, the above-named defendant:

In the name of the State of Oregon, you are hereby required to appear and answer the complaint and summons filed against you in the above entitled suit, by the first day of the term following the expiration of the time prescribed in the order for the publication of this summons, to wit: on the 15th day of April, A. D. 1895, that being the first day of the commencement of the regular term of the above entitled court; and if you fail to appear and answer or plead, the plaintiff will take a decree against you for the relief prayed for in the complaint filed herein, to-wit: for a decree dissolving the bonds of matrimony now existing between the plaintiff and defendant; for the care and custody of their minor children; for one-third of the real property belonging to the defendant, described as follows, to-wit: Beginning at the ¼ section corner on the south boundary of section 12, township 5, south range 1, east of the Willamette meridian; running thence east 20.0-100 chains to a stake; thence north 7 degrees east 35.90-100 chains to a rock in the center of the county road; thence north 81 degrees west 6.50-100 chains to a stake; thence north 88 deg 15 min, west 17.69-100 chns. to a stake on the north and south ¼ section line through section 12; thence south 37.15-100 chains to the place of beginning, containing eighty acres, situated in the county of Clackamas and state of Oregon. And for the sum of $500, permanent alimony for the support of herself and minor children; and for the costs and disbursements of this suit.

This summons is published by order of the Circuit Court of the state of Oregon, for Clackamas county, made and entered on the 15th day of February, A. D. 1895, and is published for a period of six consecutive weeks in said Clackamas county, state of Oregon.

STOTT, ROISE & STOUT,
2-22:4-5] Attorneys for Plaintiff.

CITATION.

In the County court of the State of Oregon for the county of Clackamas.

In the matter of the estate of Jacob F. Miller, deceased.

To W. H. Edmunds, Cornelius Edmunds and Marietta Pratt, and to all others unknown if any there be who may be interested in the estate of said deceased:

In the name of the State of Oregon, you are hereby commanded to appear before the honorable county court of Clackamas county, Oregon, at a term thereof to be held on the 15th day of April, 1895, at 10 o'clock A. M. of said day, pursuant to an order of this court dated the 9th day of March, 1895, to show cause, if any exist, why the petition of Marietta Pratt, administratrix of the estate of said Jacob F. Miller, deceased, for an order of this court granting the said petitioner the right to sell all the real property belonging to said estate, which is described as follows, to-wit: all of lots Seven (7) and Eight (8) in block Twenty-eight (28) in the town of Milwaukie, county of Clackamas, State of Oregon, should not be granted for the purpose in said petition set out, to-wit, to pay the debts of said estate and expenses of administration of said estate; and if you fail so to appear or make answer as herein required, for want thereof the said petition will be granted.

Published by order of the Honorable Gordon E. Hayes, judge of the above named court, made and entered on the 9th day of March, 1895.

GEO. F. HORTON,
County Clerk Clackamas county, Oregon.
3-15:4-12

NOTICE OF FINAL SETTLEMENT.

In the matter of the estate of Sarah E. Pope, deceased.

Notice is hereby given that William H. Pope, administrator with the will annexed, has filed his final account of his administration of said estate, and that the Hon. Gordon E. Hayes, county judge, has made an order setting Monday, the 6th day of May, 1895, at 10 o'clock A. M. of said day, at the county court house, in Oregon City, Oregon, for the hearing of objections, if any there be, and for the examination of said final account and the final settlement of said estate. WILLIAM H. POPE,
Administrator with the will annexed of the estate of Sarah E. Pope, deceased.
3-15:4-12

NOTICE OF ASSIGNMENT.

Notice is hereby given that the Oregon City Sash and Door Company, a partnership composed of S. B. Calliff and Charles Calliff, and S. B. Calliff and Charles Calliff, individually, have all assigned to the undersigned for the benefit of all their creditors. Said assignment is now pending in the Circuit court of the State of Oregon for Clackamas county, and all creditors of said parties are hereby notified to present their claims against said parties under oath to me at my office in Oregon City, Oregon, within three months from this date. Dated March 15, 1895.
L. L. PORTER, Attorney for Assignee. C. O. T. WILLIAMS, Assignee
3-15:4-26

Notice of Final Settlement.

In the matter of the estate of Oliver Achorn, deceased.

Notice is hereby given that L. L. Porter, administrator of the above estate, has filed his final report and account in the administration of said estate, and that the county court of the State of Oregon for Clackamas county has made an order setting Monday, the 6th day of May, 1895, at 10 o'clock A. M. of said day, at the county court house of said county in Oregon City, Oregon, for the hearing of objection, if any there be, and for the examination of said final report and account and for the final settlement of said estate.

Dated March 21, 1895. L. L. PORTER,
Administrator of the estate of Oliver Achorn, deceased.
3-22:4-12.

BUTTE CREEK GRANGE, No. 82, P. of H. Meets at their hall in Marquam, second Saturday in each month at 10 a. m. Visiting members always welcome.
J. E. JACK, Secretary. J. R. WHITE, Master.

Sunday Services.

ST. PAUL'S CHURCH.—Episcopal—Rev. Isaac Dawson, Rector. Services 11 o'clock a. m. and 7:30 p. m. Prayer service every Wednesday evening.

FIRST CONGREGATIONAL CHURCH.—Rev. J. W. Cowan Pastor. Services at 10:30 A. M. and 8:00 P. M. Sunday School after morning service. Prayer meeting Wednesday evening at 8:00 o'clock. Prayer meeting of Young People's Society of Christian Endeavor every Sunday evening at 7:00 prompt.

FIRST BAPTIST CHURCH.—Rev. M. L. Rugg, Pastor. Morning Service at 11; Sunday School at 12:15; Evening Service 6:30; Regular prayer meeting Wednesday evening. Monthly Covenant Meeting every Wednesday evening preceding the first Sunday in the month. A cordial invitation to all.

ST. JOHN'S CHURCH, CATHOLIC.—Rev. A. HILLEBRAND, Pastor. On Sunday mass at 8 and 10:30 A. M. Every second and fourth Sunday German sermon after the 8 o'clock mass. At all other masses English sermons. Sunday School at 2:30 P. M. Vespers, apologetical subjects, and Benediction at 7:30 P. M.

METHODIST EPISCOPAL CHURCH.—Rev. G. EYKES, Pastor. Morning service at 11; Sunday School at 10:00. Class meeting after morning service. Evening service at 7:30. Epworth League meeting Sunday evening at 6:30; Prayer Meeting Thursday evening at 6:30. Strangers cordially invited.

FIRST PRESBYTERIAN CHURCH.—Rev. J. W. Montgomery, Pastor. Services at 11 A. M. and 7:30 P. M. Sabbath School at 10 A. M. Young People's Society of Christian Endeavor meets every Sunday evening at 6:30. Wednesday evening prayer meeting at 7:30. Seats free.

EVANGELICAL CHURCH—GERMAN.—B. F. MYERS, Pastor. Preaching services every Sunday at 11 A. M. and 7:30 P. M. Sabbath school every Sunday at 10 A. M. (Rev. F. Bott, Supt.) Weekly Prayer Meeting every Wednesday evening.

UNITED BRETHREN IN CHRIST.—Preaching every second and fourth Sunday of each month, at 11:00 a. m. and 7:30 p. m.—W. H. MCLAIN, Pastor. Sunday school at 10 a. m. at Oregon City. First sunday at Samson school house, Molalla; Third Sunday, Mountain Home 11 a. m.; Timber Grove, 4 p. m.—Miss Delia Green, Superintendent Sunday school. Prayer meeting every Wednesday evening.

EVANGELICAL LUTHERAN CHURCH.—L. GREY, Pastor.—German services every Sunday at 11 o'clock A. M. English services at 7:30 P. M. Sunday school at 10 o'clock A. M. Location: Store room next door to bakery in Shiveley's building, corner of Seventh and Madison streets.

Sheriff's Notice of Sale on Execution.

In the Circuit Court of the State of Oregon, for the County of Clackamas.

George Broughton, Plaintiff, vs. Christ Moehnke and J. H. Martin, Defendants.

State of Oregon, County of Clackamas, ss.

Notice is hereby given, that by virtue of an execution and order of sale issued out of the circuit court of the State of Oregon for the county of Clackamas, bearing date the 25th day of February, 1895, in a suit wherein George Broughton was plaintiff, and Christ Moehnke and J. H. Martin were defendants, commanding me, in the name of the State of Oregon, that out of the real estate hereinafter described, to realize a sum sufficient to satisfy the demands of said decree, to wit: $117.00, and the further sum of $9.70 costs, together with interest on the same since said decree was entered at 8 per cent per annum, and also the costs of and attending this sale.

Now, therefore, in obedience to such decree, I did, on the 11th day of March, 1895, duly levy upon, and will, on Saturday, the 20th day of April, 1895, at the hour of one o'clock P. M. of said day, at the front door of the court house in said county, offer for sale at public auction, and sell to the highest and best bidder, for cash in hand, all of the right, title and interest the said defendant Christ Moehnke has in and to the following described real property, to-wit:

The Northeast one quarter of Southwest one quarter and the Northwest one quarter of Southeast one quarter of section Five (5) in Township Four (4) South of Range Three (3) East of the Willamette Meridian, in Clackamas county, Oregon.

Dated this 20th day of March, A. D. 1895.
E. C. MADDOCK,
Sheriff of Clackamas Co., State of Oregon.
By N. M. MOODY, Deputy. 3-22:4-19