FARM AND HOUSEHOLD.

OYSTERSHELL BARK LOUSE IN APPLE ORCHARDS.

A Dangerous Pest and flow to Fight It -About Garden Tools-A New Method of Ripening Cream Dairy Notes and Household Helps.

An Enemy of the Apple.

From an orchard in Crawford county, Kansas, there has been sent to Professor Popence, of the state agricultural college, an insect which he declares to be the oystershell bark louse, which he says is a very dangerous pest to apple orchards. In order to aid the orchardists of the state in warding off the ravages of the pest he gives the following inormation in regard to it:

The ovstershell bark louse of the apple is known to entomologists as mytllaspis pomorum, and belongs to the same family as the terrible scale lice that so a riously affect the clive, orange and lemon in California and Florida. Originally introduced from Europe, it has spread throughout Northeastern United States, and in orchards where its increase has not been prevented by extraordinary care it becomes a scourge to the grower.

It appears upon the specimes before me, taken within two weeks from the tree, is closely set, abundant reddish or grayish brown scales irregularly arranged, often overlapping each ther, encrusting the bark ard even hiding it in parts on the trunk from view. These scales measure about an eighth of an inch in length, narrow anteriorly, and are about four times as long as wide. They lie mostly with the narrow end upward, though many specimens may be found lying in other directions Late in the winter the insects are in the egg state. numerous eggs lying under the mother scale. he insect itself being dead and shriveled up completely. In the spring there eggs hatch and the young lice being very active, crawl out and find themselves a place upon the bark, when they settle and begin to suck the sap.

As they grow they begin the secretion of the scale, which soon protects them from ordinary danger. When well grown they can only be destroyed by the most thorough effort. At the season of the year when the insects are yet unhatched, it is Give them extra feed and care. likewise difficult to destroy them. However, a thorough scraping of the layer infested branches and the trunks and, afterward, the application of a kerosene wash in soapsuds will assist to free the trees from these pests. But the insects are at one time at the mercy of the oper-

This is at the time of hatching, in May, probably, or even earlier, when they leave the parent scale and scatter themselves to new situations. If at this critical time the tree is properly sprayed with kerosene emulsion, care being taken to reach all parts with the liquid, there can be little doubt that the work will prove a success. Watch for the hatching and work accordingly.

The female louse is never winged and cannot go unaided from tree to She may be carried on the feet of birds, or when young and crawling may be blown from one tree to another or find a way along interlacing brances. The great danger of infection, however, comes through the careless introduction of infested trees from Eastern nurseries.

Garden Tools. It is important in making a garden to have the soil thoroughly prepared and the seed sown in good season. In order to do this to the best advantage, good convenient tools are necessary. If the garden is in the proper shape a good part of the preparatory work can be done with the plow and harrow, but the finishing, the seeding and cultivating m st be largely done with tools that can be worked by hand. One of the most important of these is a good seed drill, one that will sow all kinds of garden seed and that can be changed to sow different kinds of seed, and as one row is sown and covered marks out another. By using a good drill the seed is distributed evenly in the rows and is covered at a uniby hand. With care in seeding the the field. rows can be made straight and the plants to stand straight in the rows, so that in using the cultivator it can clean, thorough cultivation. saving of seed, time and labor, the more even stand it is possible to secure, makes the seed drill a profitable tool to have.

Keeping the soil loose, mellow and clear of weeds is essential to obtaining a quick growth in order to be tender and crisp. By using the garden cultivator the soil can be kept stirred frequently at small cost of time and labor. A combination implement is best with a small turning plow and set of rake teeth that, if needed, can be used in preparing the soil before planting the seed, also a skin. weeder and set of small cultivator shovels that can be used as a cultivator as needed.

By taking care in using the various attachments, working as closely as possible to the plants, the hand hosing and weeding can be made very small. Frequent stirring of the soil not only insures a much better aired. growth, but makes the task of killing out the weeds much easter. A cultivation, especially with onions. A sharp steel rake may also be used found quite a help as is also a good cloves and allspice. Bake in a slow reel and line. Hoss, to do good oven. This is excellent.

work, must be kept clean, bright and With garden tools, as with others needed on the farm, it is dwars good economy to buy good, crylceable ones and give them good

A New Method of Bipening Cream-The following new method of ripen-

ing cream appears in the New Era: The day before you wish to ripen your cream fill a quart white earthenware jam-pet or jar with sweet separated or skim milk, the former for choice, as it is nearly free from ream and quite sweet; stand the pot of milk in hot water up to 190 deg. Fahr, not over, till the milk is up to 0) or 95 deg. Fahr.; take it out, wipe the jar quite dry, and stand it in the kitchen or other warm room, and cover it immediately with an ordinary tea-cosy, pressing down the cosy close around the edges to keep it air-tight. Don't touch it or remove the cosy for twenty-four hours; by that time the milk will be just of the right sourness or ripeness for use. It is best to remove about half an inch of the top, as any cream that may have risen will be bitter and not fit to use. Rub the remainder, which should be in a thick or clabbered state, like a junket, through a clean tammy sieve into a basin. For every eight quarts of cream to be ripened you must add one gill (quarter pint) of the soured milk.

The bucket or crock containing the ream should be stood in hot water of 100 degrees, Fahrenheit, till the cream registers 65 to 70 degrees, Fahrenheit. While it is warming well stir in the soured milk, which must be thoroughly well mixed. Remove the bucket or crock, well wipe, and stand it in the kitchen or warm room, and cover it well up with a clean blanket (one should be kept on purpose); leave undisturbed for twenty-four hours, when it will be just fit to churn. Pour carefully into the churn, taking care to leave the curdled milk at the bottom of the backet or crock.

The above process is thereby an inprovement of the Danish system, where a "starter" of this sort is always used. Something very similar, but with elaborate machinery, has, I believe, been patented by an American.

Dairy Notes.

Cows should be kept for profit as well as for convenience.

Watch the heifers. Don't let them form the habit of drying up early.

The milk should be thoroughly aired as soon as possible after milking. It should not be open, in proximity to foul odors.

A scrub cow of any breed is a poor cow; and there are good milk and butter cows among all breeds. Secure a cow that gives lots of milk, rich in butter whatever the breed

The simplest way I have found to have nice fresh bedding right at hand. says a dairy writer, is to put sheaf oats into the manger. Let the cows thresh them. It will please them and they in turn will please the owner at milking time. The straw from the manger will furnish the desired bedding and the absorbant material needed.

Household Helps.

Keep a dish of water on the back of a tight stove to purify the air. Do not expect to sell batter at extra prices to private customers unless it is of extra quality and finest

If vegetables are boiled in soft water it is said that the freshness and greenness of their color will be thus best preserved.

The making of fine butter is an attractive line of work for young women. It is healthful, profitable and the profession is not overcrowded.

Kid gloves for ordinary wear are painted: only the bright opera tints, such as fashionable ladies wear to match their colored dresses, are dyed

Combing and rubbing the scalp of the head w 'h the hand draws the blood up to the surface of the head, not only relieves headache, but adds new strength to the hair.

The milker who thinks that field work is more important than milking the cows clean is in great error. If either the cow or the field is to be form depth, better than is possible neglected for five minutes, neglect

When the fat's in the fire it is never wise to throw water upon it. If fat in a kettle bolls over and there be run close to the plants, and in are ashes convenient to throw on the this way reduce the work of giving blaze, it is the surest, safest way to

put it out. Princess d that made forty-six pounds of butter in seven days atc forty-two quarts of ground feed a day, besides hay and roots, which shows what a consumer of food a milch cow is.

The chimney of a lamp should never be touched with water. A few drops of alcohol, or even paraffine oil, will remove the dimmed, smoky effect, and make the chimney as bright as possible, when it is polished with a soft flaunch or chamois

A damp detector is made of silver and looks like a compass. At the there are small holes in the silver, through which a damp atmosphere passes and moves the needle until it. points to the word damp. The detector is placed in the bed, and is a certain tell-tale if the sheets are un-

A cheap fult cake is made thus; One cupful of butter, one of brown prong hee is a great help in proper sugar, half a pint of molasses, two ing the soil, and in giving the fresh eggs, one capful of sour milk, one teaspoonful of soda, one pound of flour, one of currents, one and a half to good advantage in the same way. of raisius, one teaspoonful of cinna-A trowel for transplanting will be mon, half a teaspoonful each of of raisins, one teaspoonful of cinna-

OUR NATIONAL PLATFORM. The People's Party Platform Adopted at Omaha July 4, 1892.

Assembled upon the 116th anniversary of the Declaration of Independence, the People's party of America, in their first national convention, invoking upon their action the blessings of Almighty God, puts forth in the name and on behalf of the people of this country the following preamble and declaration of principles:

PREAMBLE.

The conditions which surround us best justify our co-operation. We meet in the midst of a nation brought to the verge of moral, political and material rain. Corruption dominates the ballot box, the legislatures, the congress, and touches even the ermine of the bench. The people are demoralized; most of the states have been compelled to isolate the voters at the polling places to pre ventuniversal intimidation or bribery. The newspapers are largely subsidized or muzzled, public opinion silenced; business prostrated; our homes covered with mortgages; labor impoverished and the land concentrating in the hands of capitalists. The urban workmen are denied the right of organization for self protection; imported pauperized labor beats down their wages, a hireling standing army, unrecognized by our laws, is established to shoot them down; and they are rapidly degenerating into European conditions. The fruits of the toil of millions are boldly stolen to build up colossal fortunes for a few, unprecedented in the hostory of mankind; and the possessors of these, in turn, despise the republic and endanger liberty. From the same prolific womb of governmental injustice we breed the two great classes-tramps and millionaires. The national power to create money is appropriated to enrich bondholders. A vast public debt, payable in legal tender currency, has been funded into gold-bearing bonds, thereby adding millions to the burdens of the people.

Silver, which has been accepted as coin since the dawn of history has been demonetized to add to the purchasing power of gold by decreasing the value of all forms of property as well as human labor, and the supply of currency is purposely abridged to fatten usurers, bankrupt enterprise and enslave industries. A vast conspiracy against mankind has been organized on two continents and it is rapidly taking possession of the world. If not met and overthrown at once, it forebodes terrible social convulsions, the destruction of civilization or the establishment of an absolute despotism.

We have witnessed for more than quarter of a century the struggles the two great political parties for power and plunder, while grievous wrongs have been inflicted upon a suffering people. We charge that the controlling influences dominating both these parties have permitted the existing dreadful conditions to develop, without serious efforts to prevent or restrain them. Neither do they now promise us any substantial reform. They have agreed together to ignore, in the coming campaign, every issue but one. They propose to drown the outcries of a plundered people with the uproar of a sham battle over the tariff, so that capitalists, corporations, national banks, rings, trusts, watered stock, the demonetization of silver and the eppressions of the usurers may all be lost sight of. They propose to sacrifice our homes, lives and children on the altar of mammon; to destroy the multitude in order to secure corruption funds from the millionaires.

Assembled on the anniversary of the birthday of the nation and filled with the spirit of the grand generation which established our independence, we seek to restore the government of the republic to the hands of "the plain people," with whom it originated.

□ We assert our purposes to be identical with the purposes of the national constitution: "To form a more perfect union, establish justice, insure domestic tranquility, provide for the common defence, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity."

We declare that this republic can only endure as a free government while built upon the love of the whole people for each other and for the nation; that it cannot be pinned together by bayonets; that the civil war is over and that every passion and resentment which grew - of it must die with it, and that we must be in fact as we are in name, the united brotherhood of free

Our country finds itself confronted by conditions for which there is no precedent in the history of the world; our annual agricultural productions amount to billions of dollars in value, which must within a few weeks or months be exchanged for billions of dollars of commodities consumed in their production; the existing currency supply is wholly inadequate to make this exchange; the results are falling prices, the formation of combines and rings and the impoverishment of the producing class. We pledge ourselves that, if given power, we will labor to correct these evils by wise and reasonable legisation in accordance with the terms of our platform. We believe that the powers of government-in other words, of the people-should be expanded (as in the case of the postal

service) as rapidly and as far as the good sense of an intelligent people and 2 the teachings of experience shall justify, to the end that oppression, injustice and poverty shall eventually cease in the land.

While our sympathies as a party of reform are naturally upon the side of every proposition which will tend to make men intelligent, virtuous and temperate, we nevertheless regard these questions, important as they are, as secondary to the great issues now pressing for solution, and upon which not only our individual prosperity, but the very existence of free institutions depend; and we ask all men to first help us to determine whether we are to have a republic to administer, before we differ as to the conditions upon which it is to be administered. Believing that the forces of reform this day organized will never cease to move forward until every wrong is remedied, and equal rights and equal privileges securely established for all men and women of the country, therefore:

WE DECLARE

trst-That the union of the labor forces of the United States, this day consummated, shall be permanent and perpetual. May its spiritenter into all hearts for the salvation of the republic and the uplifting of mankind.

Second-Wealth belongs to him who creates it, and every dollar taken from industry without an equivalent is robbery. "If any will not work, neither shall be eat." The interests of rural and civic labor are the same; their enemies identical.

Third-We believe that the time has come when the railroad corporations will either own the people or the people mus, own the railroads, and should the government enter upon the work of owning and managing any or all railroads, we should favor an amendment to the constitution by which all persons engaged in the government service shall be placed under a civil service regulation of the most rigid character; so as to prevent the increase of the power of the national administration by the use of such additional government little employees.

PLATFORM.

We demand a national currency, safe, sound and flexible, issued by the general government only, a full legal tender for all debts, public and private, and that without the use of banking corporations; that a just, equitable and efficient means of distribution direct to the people, at a tax not to exceed two per cent. per annum, to be provided, as set forth in the subtreasury plan of the Farmers' Alliance, or some better system; also by payments in discharge of its obligations for public improvements.

colnage of silver and gold at the present legal ratio of 16 to 1.

We demand that the amount of circulating medium be speedily increased to not less than \$50 per capita.

We demand a graduated income tax. We believe that the moneys of the country should be kept as much as possible in the hands of the people, and hence we demand that all state and hence we demand that all state and arriving at night, and there lay over and be taken west on "Big Five" Frithe necessary expenses of the govern-day morning, and run via Omaha, Linment, economically and honestly administered.

We demand that postal savings banks be established by the government, for the safe deposit of the earnings of the people, and to facilitate exchange.

Transportation being a means of exchange and a public necessity, the government should own and operate the railroads in the interest of the people.

The telegraph and telephone, like owned and operated by the government in the interest of the people.

The land, including all the natural resources of wealth, is the heritage of all the people, and should not be monopolized for speculative purposes, and alien ownership of land should be prohibited. All lands now held by railroads and other corporations in excess of their actual needs, and all lands now owned by aliens, should be reclaimed Cal. City tieket office 1201 O street. by the government and held for actual settlers only.

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at Pueblo second morning.

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morning and run via Minneapolis & St. Louis Ry. through Augus to Des Moines, coln and Belleville to Pueblo

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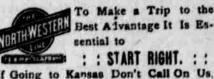
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