FARM AND HOUSEHOLD.

MEANS OF MAINTAINING SOIL FERTILITY.

The Main Reliance Must Be Manure-Care of Wagons and Carriages ... Hotbeds-Fork Pickings and Household Helps.

Maintaining Soil Fertility.

Under the above title it is usual to see "rotation of crops" and "saving and applying manure" as the only means of soil restored. "Rotation of crops" is without doubt an important item in crop productions and its importance ought not to be lost sight of by farmers for a single season if possible. "Saving and applying manure" is another very important matter. No doubt that the manure lost in the United States each season, if properly saved and used, would produce an annual increase in the yields of the plants will be ruined. ly, extinguish the great "war debt" of the nation.

But to assume that rotation of the further depletion of soil, to say manure with the straw used for bednothing of restoring fertility to depleted soils, is without doubt a most that rotation of crops has the power mixed. It may be sunk into the alone to prevent depletion and, in ground a foot or eighteen inches, or fact, only a small advantage is claimed made on the surface. On this place for it. Saving and applying manure then must be the main reliance of those who advocate this theory.

The manure carefully saved from a sufficient amount of manure to cover all of the land from which the crop had been taken. It will only cover properly about one-tenth the area covered by the crop so fed. Thus the crop from 100 acres care- good feed for pigs. fully fed to stock and all the manure saved and applied to the land would ble amount of drink. not cover more than ten acres, so that ten years would be required to go over the entire 100 acres, and long before the expiration of this time the manure would be exhausted on the first lands it was applied to. So that it is clear that manure alone will not preserve fertility. But besides this every farmer cannot, and, in fact, but a few can, feed all the products to stock. The world would perish for the want of bread if all a good brood sow. farmers would feed the entire product be it ever so good.

What then is the main remance to not only prevent depletion of soil but factory in every way to keep the boar also to restore soils already depleted? in a good, thrifty condition rather asks the Journal of Agriculture. A than allow him to get too fat. good physician will seek to find the One advantage with hogs is that cause of his patient's ailments and will they give returns in so short a time, quack will treat the symptoms and realized they can be made to pay. let the case remain in darkness to Brood sows require a ration that is

What then is the cause of the depletion of soils so usually complained of, and the cause of low yields of crops as shown by the census reports for the past twenty years?

The attempt to cultivate a much larger area than could be properly done has been the universal practice. Shallow plowing with too little aftercultivation has been practiced as a plowing and too little harrowing has it is wasteful. been the rule. And these failures and overdoses are the causes of the depletion of soils. The remedy is a reduction of the cultivated area, deep and thorough plowing the ground so that not only the thin surface soil is cultivated, such a thorough plowir ; the requirements originally made gestion from the stomach to the skin. when the first man was sent out to "till the ground."

If the soil is broken up to such a melting snows will be quickly absorbed and carried deep down into cility by the capillary action of the after stirring well together. earth, there can be no depletion of low plowing.

to soon dry out and with a dry surface the benefit of rising fertility and moisture is lost to the growing plants, and the air which is "a great reservoir of fertility" fails to deposit the moisture and plant food it contains while the surface is dry and hard. The air and the earth must act conjointly in the elaboration of plant food for the support of growth and the conditions favorable to this action must be supplied by the proper cultivation of the soil. The failure to do this causes loss of fertility and loss of crop yields. Deep plowing and a thorough preparation of the soil by frequent and thorough harrowings are indispensable requisites in preparing the soil to receive the seed that is to produce the paying erops. Cultivation is a term little. known among the average farmers.

To obtain from "mother earth" the fullest rewards the baws which she more of water, cover, and let stand havelald down must be complied with. me at be obeyed. True cultivation of the sell coupled with true seed development by the adoption of special a teaspoonful of this gum water to a methods suited to the natural demands | pint of starch made in the usual way. of the various farm crops will recover populations.

speak out in tones not 'a be misunder firmly into the coment.

tood, telling the farmer he must hange present methods, and that soon, or there will be a long and loud ery for bread heard over this "land of plenty." Till the ground.

Hotheds.

Hotbeds, by being protected at the sides and ends with boards, and covered with glass, confine the moisture which arises from the earth, and thus the atmosphere is kept humid and the surface moist, and the plants are not subjected to changes of temperature, as a uniform state can be maintained, no matter what the weather by which the universal "depletion of may be. The bottom heat of the hotsoils" may be arrested and fertility bed warms the soil, and enables the grower to put in his seed early and obtain plants of good size before the soil outside is warm enough to receive the seed. Care, however, is required to prevent scorching the young plants. In bright days the heat is intense inside the frame, and unless air is freely given, or some course taken to obstruct the rays of the sun, most likely a great portion of farm crops to almost, if not entire. the sun gets pretty warm give the glass a thin coat of whitewash. This gives a little shade, and, with some air during the middle of bright days, crops and saving manure without the will make them all safe. The hotbed use of other means will even prevent is made by forming a pile of horse ding, or leaves, some three feet in height. Shake all together, so that grievous error. It is not claimed straw and manure will be equally about five inches of good mellow soil. Then set the frame and keep it close until fermentation takes place and the soil is quite warm. It is better feeding to stock the product of a to wait a day or two after this, and given amount of land will not supply then sow the seed. —Farmers Voice.

Pork Pointers.

Extra heavy pork is nearly always costly pork. Scalded bran and corn meal is a

Growing hogs require a considera-

In fattening pigs it is quite an item to make them eat all that they will Plenty of bedding in good season will often help materially in saving

a litter of pigs. A liberal allowance of bulky food is very necessary with all kinds of growing stock.

There are few farm animals that pay a better proportionate profit than

The incessant drain on a sow that of their farms to stock. Then where is suckling a litter of pigs sharpens are you with your manure "racket?" her appetite amazingly, and she will need liberal feeding.

It is less expensive and more satis-

treat the cause and remove it. A that even if only a small profit is

rich in the elements of bone and muscle. The objection to some is

and oil meal are preferable to corn as a feed for growing pigs. There are no foods that will equal corn however for fattening.

The best stock will not be long in degenerating if not properly fed and necessity and not because it was cared for, and the farmer that purthought to be the best. Careless chases good blood and then neglects

Household Helps.

"There is nothing," says an artist housekeeper, ·like an old palette knife to use for scraping dishes.

Bathing should never directly follow a meal, as it withdraws the blood that will result in strict obedience to and nerrous vigor demanded for di-

Some of the newest pincushions are of miniature form in the shape of orchids, dahlias and other flowers in depth that the moisture of rains and gatural size, made from shaded velvets and satins.

Common grafting wax is made by the earth where it is stored for the taking one part of tallow, three of use of plants when needed, then it is beeswax and four of rosin, and meltbrought to the surface along with ing over a slow fire. Melt the rosin the necessarily accompanying fer- first, and put in the other ingredients

Very pretty and cheap low turnsoils. This is tilling the ground, the over collars can be made of the half whole ground and not simply a thin of one of those colored-berdered crust of the earth, as is done by shal- handkerchiefs, which can be bought at a ridleulously low price since they Shallow plowing allows the surface went out of fa-hice for their original

To polish ivory, first smooth the surface with the finest sandpaper, then apply whiting on a bit of flannel, rubbing it well. The whiting may be wet with oil or water. Finish by rubbing the ivory with a slightly oiled bit of linen cloth. All scratches must be fairly rubbed out in the pro-

A pretty way to serve butter is to place a small square of ice on each Individual butter plate. With a heated poker a small depression is made in each block, in which are laid one or two clover leaves, if possible, or a bit of parsley, and in this cool, green nest the yellow butter ball appetizingly and effectively reposes.

The best recipe for polishing shirt bosons is to take two ounces of fine gum arabic powder, pour on a pint or over eight. In the morning pour it carefully from the dregs into a clean bottle, cork it and keep for use. Add

Knives with iron nandles which depleted soils and supply yields of have become loosened or have fallen crops commensurate with the rapidly out entirely, can be comented at increasing demands of advancing home, and with small expense by using this coment: Take four parts of Twelve bushels of wheat to the rosin one part of beeswax, one part acre and twenty-six bushels of corn of plaster of Paris. All the hole in the as the average annual yield through | handle with the esenent, then heat out this great agricultural country the steel of the handle and press it

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 be-

half 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 beach. 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 of the two great political parties for power and plunder, while grievous wrongs have been inflicted that it tends to cause an excess of fat. | upon a suffering people. We charge Oats, rye, wheat, middlings, bran | that the controlling influences dominating both these parties have permitted the existing dreadful conditions to develop, without serious efforts to prevent er 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 outeries 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 demonstization 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 defeace, promote the general welfare, and secure the blessings of liberty to curselves and our posterity."

We declare that this republic can only andure as a free government while built upon the love of the whole people for each other and for the nation; that it North Western Line Palace Sleeper cannot be pinned together by bayonets; that the civil war is over and that every passion and resentment which grow so of it must die with it, and that we must be in fact as we are in same, the united brotherhood of free

Our country finds itself confronted by conditions for which there is no precedeat in the history of the world; our annual agricultural productions amount | O te 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 Room 5. inadequate to make this exchange; the results are falling prices, the formation of combines and rings and the impovertshment of the producing class. We pledge curselves 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 expended (as in the case of the postal

service) as rapidly and as far as the good sense of an intelligent people and 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

irst-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 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.

coinage of silver and gold at the present egal ratio of 16 to 1. We demand that the amount of circu-

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 bands of the people, and hence we demand that all state and national revenues shall be limited to the necessary expenses of the government, economically and honestly ad-

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.

ministered.

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 the postoffice system being a necessity for transmission of news, should be 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 by the government and held for actual settlers only.

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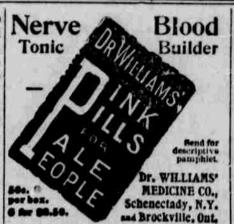
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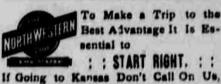
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