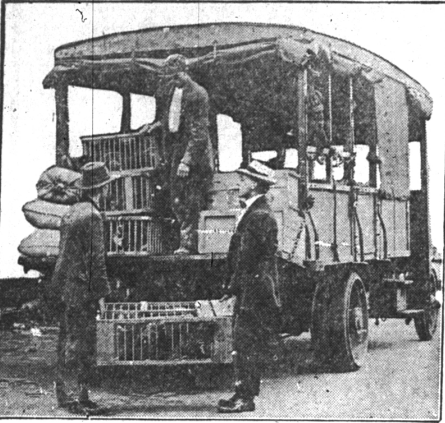


Our Part in Feeding the Nation

(Special Information Service, United States Department of Agriculture.)

MOTORS DISPLACE ANIMALS IN FARM HAULING



A Big Truck Gathering Produce for Transport to a City Market.

AUTO TRUCKS WINNING FAVOR

Machines Are Rapidly Taking Place of Animal Power in Hauling Products.

IMPROVED ROADS BIG HELP

Development of Regular Freight Service Is Considered Notable—One Farmer Uses Ten Trailers Drawn by Tractor.

Motors are rapidly taking the place of animal power in hauling products from the farm in many counties in the United States where the roads permit. A significant phase of this new development is the growth of regular freight service, by which farmers can hire the taking of their produce by motor truck directly from the farm to a distant market, and thus avoid both the wagon haul and the shipment by railroad or boat.

Of 1,473 county reports received by the bureau of crop estimates of the United States department of agriculture in its recent investigation of the hauling of products from farm to shipping point by animal power and by motor, 898 reported the use of motors, mostly motor trucks. In a large fraction of these counties, motor truck service is just coming into use in hauling products from the farm. There were many more reports of use for light traffic, such as poultry, eggs and vegetables, than for hauling grain. Five reports, scattered from Delaware to the Pacific coast, mentioned the great importance of the light motor truck service in delivering perishable fruits to shipping points.

In many states, especially in the northern and south central sections, hogs were hauled preferably in motor trucks on account of the relatively small amount of shrinkage compared with hauling in wagons. Some counties reported hogs hauled exclusively in motor trucks, although these vehicles had not yet come into general use for grain or other products.

Improved Roads Help.

One of the chief limitations to the use of the truck is the condition of the roads, and several reporters mentioned a beginning of motor truck use as following closely an improvement in roads. Another hindrance to using motors is connected with the seasonal distribution of farm work. Some correspondents said that after their harvest was over there was no work for their horses to do but haul, and that motor trucks would not be an economy. In other instances, the trucks were reported to have done needed hauling at times when laborers and horses could not well be spared from the farms. A market gardeners' association in Rhode Island is said to be operating a few trucks with trailers and to carry produce to the city market at a cost averaging only 10 cents per ton-mile.

Frequent mention is made, even in the East, of trucks which do a regular freight business, charging farmers for the service. One Tennessee farmer reported having paid a truck to haul a load of 15 bushels of corn a distance of ten miles, and the trip was made in the evening after supper.

Used a Regular Train. Tractors with trail wagons are in more or less frequent use in various states, including North Dakota and California. One Illinois man reports using ten wagons drawn by one tractor and moving 1,000 bushels of wheat at a time.

The great variety of local transport conditions in the United States is il-

HOME TOWN HELPS

DUTY DEVOLVING UPON ALL

Wanting, Care and Protection of Trees is a Prime Requisite of Good Citizenship.

Choice varieties of our native deciduous and evergreen trees have suffered greatly from depletion due to the almost unchecked ravages of pestiferous insects and destructive fungi, the noted scarcity of bird life in many sections plainly adding to the complexity of the problem of protecting the trees, writes a correspondent of the New York Sun. Trees such as the chestnut, the maple, hickory, oak, pine, hemlock, etc., are beautifully characteristic of the wonderful resources of our leafy and evergreen varieties, and these should be planted freely wherever opportunity offers. The American chestnut should not be permitted to disappear from the list.

I had intended to say more about street tree planting in the several boroughs of our city, where in many sections trees may be used with a great advantage to property and for the adornment of a neighborhood. For a comparatively small expenditure a good tree is a paying investment. The period of defoliation in the deciduous tree is at hand, and indicates the season of safety in transplanting and the work can now shortly be undertaken, lasting till early frost. All interested in this inviting enterprise should take occasion to plant a tree as a civic duty.

BEAUTY GREAT CIVIC ASSET

Ugly or Ill-Kempt Homes Do Much to Retard the Development of Any Community.

Moral, manners and taste are important as truly as health. Homes that are ugly, that tend to drive men and women away from them instead of attracting them are, to say the least, not making it easier to maintain good homes. Homes that are ill-kempt or run-down are setting a constant pattern of shiftness and slovenliness before the child. Monotonous rows of pine boxes or even of brick or concrete parallelepipeds are not adapted to cultivate taste for beautiful things nor to supply the basis for the expression of individuality. And individuality is somehow a very real element not merely in the attractiveness of life, but in the formation of character and of family standards. Portmanteau is the small city or large town that has no great amount of housing of this kind. If communities set themselves the task of building schoolhouses that shall improve standards upon children during five hours of the day, can they afford to take the risk of having patterns of hideousness or dilapidation before the eyes of children during the rest of the day?

Enrich Your Garden Soil.

This is the time to apply course manure—not commercial fertilizer, which should only be used during the growing season. You are not likely to apply too much compost or manure. Truck growers use as heavy a coating as six inches. On a plot 20 by 20 feet 400 to 600 pounds can be used. Stable manure is so scarce, it is more than ever important to save and use all available wastes. The turning of leaves is rank waste. Manure is hard to obtain, but every effort should be made to get it and put it on in the autumn instead of in the spring. Arrangements should be made, if possible, for the well-rotted manure or for commercial fertilizer for use next spring. There is a shortage during the war of commercial fertilizer and it should not be put on before its plant food is needed or when it will sweep away. Quick-acting fertilizer applied in the spring will give plants an early start and help to produce early crops—a result all gardeners desire.

Deadlines in City Streets.

For the purpose of trying out the idea before adopting it generally, New York city officials have laid white lines in the dirt and marble, six inches wide, in the pavement at certain street intersections to serve as deadlines for vehicles. Quick-acting fertilizer applied in the spring will give plants an early start and help to produce early crops—a result all gardeners desire.

Origin of Meteorites.

In contradistinction to the theory of the earth-origin of meteorites, it has been argued that they may have come out of the great volcanic cauldron of the moon in long past ages, but there are some very serious difficulties in the way of this hypothesis. Mr. Chamberlain, the inventor of the planetesimal theory of the origin of solar systems, has the interesting suggestion that meteorites may be the fragments of bodies (planets) broken up by the passage of some immense mass near enough to produce disruptive tidal stresses to run up, the real origin of meteorites remains to be discovered.

SEED INDUSTRY IS INCREASING

European War Working Wonders in Production, Particularly on Pacific Coast.

WAR GARDENS ADD STIMULUS

Raising of Vegetable Seeds Chiefly Confined to Few Widely Separated Districts—California is the Largest Producer.

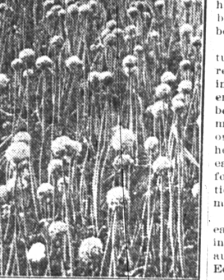
(Prepared by the United States Department of Agriculture.) Since the European sources of vegetable seed have been cut off by war conditions, the seed-growing industry in the United States has made rapid developments, particularly in the Pacific coast and Rocky mountain states, according to a report of the bureau of crop estimates, United States department of agriculture.

An added stimulus to this industry has been the increased number of war gardens which have been planted in all parts of the country. The commercial production of vegetable seeds is chiefly confined to a few widely separated but well-defined districts, but in exceptional instances the industry has been introduced into new sections through the efforts of contracting seedsmen who have sought to expand the production by entering new areas.

The production of onion seed is carried on in many localities. Most of the Western districts where onions are grown for market also raise for their own use and sell the surplus. The largest section of production for onion seed, however, is known as the "river district" of the San Joaquin and Sacramento valleys in the central part of California.

Carrot Seed in California.

California is the largest producer of carrot seed. Sacramento and Yolo counties rank first, with San Joaquin, Contra Costa, Santa Clara, and San Benito counties ranking as minor producers. In the production of radish seed the situation is reversed, the coast counties of California producing the bulk of the crop, and the river district being unimportant as a producer. It is also grown in the Pacific Northwest. Beet seed is grown in both the river and coast districts of California, but is probably grown more extensively around Sacramento than in any other portion of the state. Lettuce seed is grown almost exclusively near the coast section of California.



Most of Western Onion Districts Raise Their Seed Supplies and Sell Any Surplus.

particularly in Santa Clara and San Benito counties and also in San Luis Obispo and Fresno counties. The peas—seed growing districts are widely scattered but are somewhat restricted by the pea weevil. The two largest districts are in eastern Washington and eastern Idaho.

Other Vegetable Seed.

The production of seed of the garden varieties of beans is concentrated in portions of Colorado, California, Washington, and Idaho. The Greeley district of Colorado is the leading district. Lima bean seed-growing is confined to the coast counties of southern California. Cantaloupe and cucumber seed is produced extensively in Colorado, particularly in the Rocky Mountain district or the Arkansas valley. Tomato seed is most extensively produced in Orange county, California, south of Santa Ana. Other seed crops produced in this district are peppers and various vine crops. The principal cabbage-seed growing district is in the Puget sound country, but the growing of cabbage seed is being tried out in other localities and new districts of importance may be developed. This statement also applies to turnip seed. Spinach seed is produced in California and in the Northwest. During the past season the industry has developed, particularly in Yolo and Sacramento counties of California, but is not confined to that region.

WATCH FOR DISEASE OF COMMON POTATO

Outbreak in East Indicates Introduction of Ailment.

Trouble May Be Recognized by Irregular, Warty Outgrowth—All Suspicious Cases Should Be Reported to Washington.

(Prepared by the United States Department of Agriculture.)

Gardeners in all parts of the country are asked by the United States department of agriculture to watch for instances of potato wart, a disease which has been discovered in gardens in ten small mining towns in Luzerne county, eastern Pennsylvania, and that it is feared has been carried by European shipments to other districts. The disease may be recognized by irregular, warty outgrowths, beginning in the tender tissues near the eyes and enlarging until the entire potato may be changed into a black and worthless mass.

All suspicious cases should be reported to the Department of Agriculture, Washington, D. C., or to the State



Every Gardener is Urged to Report Potato Supply Against Disease by Reporting All Cases to United States Department of Agriculture.

College of Agriculture. All diseased potatoes should be burned and the infected ground staked off. Several well-established cases of the disease have been discovered in gardens in ten small mining towns in Luzerne county, in eastern Pennsylvania. The extent of the infestation has not yet been determined, but an active survey of this and other districts is now under way. In most of these gardens it has been observed by the owners during the last two seasons. In many gardens it has been severe for three years, while in a few instances it has done considerable damage for four years.

From European Source.

The source of the disease appears to be a shipment of several carloads of European potatoes of inferior quality, distributed in 1912, before the passage of the Plant Quarantine Act. Since that date the importation of potatoes from countries where potato wart is known to exist has been prohibited by the federal horticultural board, but the disease has evidently become established in some localities.

The wart is a disease attacking the tubers and also the stems, causing irregular, warty outgrowths, beginning in the tender tissues near the eyes and enlarging until the entire potato may be changed into a black and worthless mass. The young plants are whitish or greenish, suggesting a cauliflower head. In the present outbreak the disease manifests itself in a very severe form, though in a limited area, practically destroying the whole crop in many of the gardens affected.

There is little danger that the disease will spread rapidly to neighboring states, as the Pennsylvania state authorities, under the supervision of Economic Zoologist J. G. Sanders, are cooperating in the survey and will take the necessary restrictive measures to prevent infective material from moving out of the district.

It is feared that other shipments of European potatoes, made prior to the quarantine, have carried the disease to other districts. It should be sought for, especially in the gardens of industrial and mining villages, which would be the principal markets for cheap, foreign potatoes. In such places gardeners are grown continuously, thus favoring the spread of wart diseases.

European experience with wart disease, particularly in England, indicates it to be a very serious trouble. The saving feature is the discovery that certain varieties of potatoes are immune, and only these are now allowed to be planted on infested land. No American varieties have yet been found resistant. The English sorts will be tried, though experience to date is that European potatoes as a class do not give good results in this country.

INSECTS KILLED BY PLOWING

When Soil Is Put Into Shape for Next Season's Crops Numerous Bugs Are Destroyed.

Plowing which puts the ground into the best condition for crop growing during the coming season will also kill numerous insects that winter in the ground, such as wireworms, cutworms, white grubs and corn ear worms.

SPANISH INFLUENZA

Do Not Fear When Fighting a German or a Germ!

By DR. M. COOK.

The cool fighter always wins and so there is no need to become panic-stricken. Avoid fear and crowds. Exercise in the fresh air and practice the three C's: A Clean Mouth, a Clean Skin and Clean Bowels. To carry off the poisons that accumulate within the body and to ward off an attack of the influenza bacillus, take a good purgative to move the bowels. Such one is made up of May-apple, leaves of aloë, root of jalap, and is to be had at any drug store, and called "Pleasant Purgative Pellets."

If a bad cold develops, go to bed, wrap up well, drink freely of hot lemonade and take a hot mustard foot-bath. Have the bed-room warm but well ventilated. Obtain at the nearest drug store "Anurie Tablets" to flush the kidneys and control the spasms and aches. Take "Anurie" tablet every two hours, together with copious drinks of lemonade. If a true case of influenza (the food should be simple, such as broths, milk, butter-milk and ice-cream; but it is important that food be given in plain order to keep up patient's strength and vitality. After the acute attack has passed, which is generally from three to seven days, the system should be built up by the use of a good tonic, such as "Frontin" tablets, to be obtained at any drug store, or that well known blood-maker and herbal tonic made from roots and bark of forest trees—sold everywhere as Dr. Pierce's Golden Medical Discovery.

Concise. She—"Are you sure I am the first girl you ever loved?" He—"Why, of course. I'm still single, am I not?"

He who thinks he never was a fool is a fool now.

Hard Work Alone Never Kills. Hard work never killed anybody. But hard work, with irregular hours and neglect of rest does weaken the kidneys and keeps you back every day and half sick. If you are tired, miserable and have headaches, dizziness and nervous disorders—don't wait! Buy the weakened kidneys before they drop. Use Doan's Kidney Pills. They have helped thousands and are used the world over.

A Michigan Case. Mrs. John W. ... "My little girl's name is ..."

Doan's ... Kidney Pills. FOSTER-MILBURN CO., BUFFALO, N. Y.

Stop Losing Calves. You can Stamp Abortion Out of YOUR HERD and Keep It Out.

DR. DAVID ROBERTS' "Anti-Abortion"

Early Applied. Sure Result. Use successfully for 30 years.

DR. J. D. KELLOGG'S ASTHMA REMEDY

WHEN Your head feels like a basket of broken bottles—you need BEECHAM'S PILLS

Stomach or bowel disorder poisons the blood and thus irritates the rest of the body.

DR. J. D. KELLOGG'S ASTHMA REMEDY

Boys and Girls Clear the skin with Cuticura

Stop Your Coughing

No need to let that cough persist. Stop the irritation and remove thick and hoarse mucus by soothing the inflamed and cured with PISO'S

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY

DR. J. D. KELLOGG'S ASTHMA REMEDY