

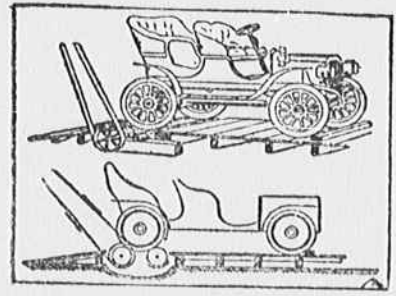
Farm and Garden

AUTOMOBILES FOR POWER.

Pleasure Cars May Be Utilized For Farm Work.

Automobiles are coming into use on the farm as a means of pleasure for the farmer and his family. There is nothing more natural than a desire to utilize the splendid power plant contained in a car for other purposes than propelling it over the roads. An ingenious farmer has solved the problem in a manner apparently satisfactory to himself. The farmer devised an arrangement whereby the act of putting the car in its shed places it in position and so associates the wheels with the machinery of the dairy that the engine when started will do the heavy work of running the separator.

The accompanying sketch shows this device so plainly that it is not necessary to describe it other than to call attention to the two rollers, one of which has its shaft extended outside the box to carry a pulley, from which the belt runs to an overhead shaft. It is easily apparent that the revolution of the wheels of the car will cause a reverse motion of the rolls, which is transmitted by means of the pulley and belt to the shaft and thence to the machinery. In this way the wear on the



THE MOTOR AS A POWER PLANT.

tires is rendered uniform. The grip on the rolls that these tires exercise is surprising.

A peculiarity of this arrangement is that the car shows a tendency to skid from side to side. This, however, is easily overcome by means of props or bumpers, which are put in place so as to limit the sidewise motion of the car within the shed, the mere pressure of the hand serving to move the car easily when the wheels are revolving on the rolls.

In very warm weather or on long, heavy pulls it is sometimes necessary to connect the circulating system with the water supply in order to prevent heating of the cylinders.

For sawing wood, cutting feed or any work of an intermittent nature it is necessary for some one to control the engine on account of there being no governor. As a matter of fact, one farmer has a small boy at the throttle most of the time, as the separator is sometimes thrown off without warning.

All Around the Farm.

It is claimed by those who have trained many horses that, taking the colt when training first begins, they can be trained to walk over four miles an hour. The walking gait is the most important one to the farm and road horse. The mistake with many in training young horses is that they are too soon put to trotting, which is a gait they more readily learn than fast walking.

If the land is to be plowed twice before planting in order to make it thoroughly fine, it will be well to roll it before the second plowing in order to pack the surface somewhat and make the earth turn better without clogging the moldboard. The roller is also useful in breaking clods and in packing the surface to prevent excessive evaporation in dry weather.

In order to get hens in prime condition to produce fertile eggs you are required to follow as closely after nature's plan as possible. Provide them with a liberal amount of green food, together with animal food at least twice each week. If you cannot give them a large, roomy yard, release them from confinement at least an hour each day.

The day of the hog which is half solid fat is limited. Consul Webster of Niagara Falls states that the Canadian hog raisers and packers have been forced, through lack of demand for fat hogs, to produce the leaner bacon type which can be sold to advantage on the British market and is suitable for the export trade.

A heifer should be milked as long as possible during her first period of lactation even if she does not give much milk. When allowed to dry up at six months she will go dry every time at the same period when a cow. Heifers are very susceptible to education in this respect.

Provided the hen is cooped or tethered, young chickens may be allowed to run in the onion and asparagus beds.

Uncle Sam's Granary.

This country each year produces more corn than all other countries of the world combined—2,927,000,000 out of 3,888,000,000 bushels. It grows more wheat than any other country in the world—634,000,000 out of 3,108,000,000 bushels. It produces more oats than any other country in the world—754,000,000 out of 3,582,000,000 bushels. It is the third largest annual producer of barley in the world, 153,000,000 bushels—only 7,000,000 bushels less than Germany, with Russia leading.

APPLES OF THE NORTHWEST.

Enormous Crop Purchased For Eastern and European Markets.

Contracts have been closed in Spokane, Wash., by an eastern firm for more than \$600,000 worth of Washington and Oregon apples for eastern and European trade, and the purchaser expects to reach the \$1,000,000 mark before returning home after looking over the orchards in central Idaho and western Montana. While in Spokane he bought the entire output of first and second grades grown in the Meadow lake orchards, estimated at 30,000 boxes, previous to which he contracted for 90,000 boxes in the Hood river and Mosier districts in Oregon, buying also 25,000 boxes from the Dumas orchards at Walla Walla, Wash., and 15,000 boxes from the orchards at Gardfield, Wash.

The purchaser said the prices received by the growers in the Hood river district were the highest ever paid for their fruit. His purchases there aggregated more than \$200,000, and he paid as high as \$2.50 a box, or 5 cents a pound. He also paid \$2.50 and in several instances \$2.75 a box for Washington apples of the first grade.

Much of the superiority of the western apple over the product of the New York districts is in the picking and packing. Growers fully understand these advantages, and that is where they are wise. Their fruit is picked ripe and carefully graded and honestly packed, the result being that buyers are pleased.

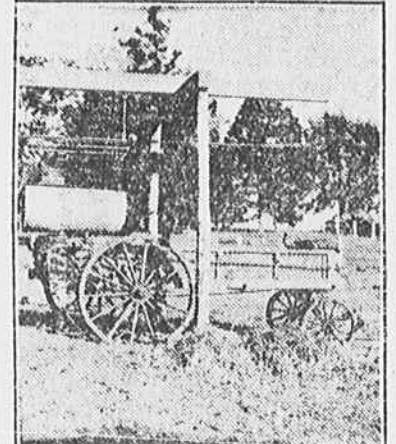
There is not the least danger that the growers in the northwest will overdo the apple industry. They could not do that even by doubling or trebling the present orchard area. The apple crop of the United States was about 67,000,000 barrels in 1896, and in no year since then has it amounted to more than 25,000,000 barrels. The present crop will not reach that figure.

When it is considered that the population of the United States has increased probably by 20,000,000 since 1896, while the apple production has fallen from 67,000,000 to 35,000,000 barrels, it can be readily seen that it is out of question to think that the apple growers in Washington, Oregon, Idaho, Montana and Colorado can oversupply the ever increasing market.

Utilizing Barn Manure.

Many farmers are beginning to save their stable and lot manure and also to keep enough live stock to make large enough quantities to justify the use of a spreader.

There are few farmers even at this enlightened period who conserve all the available plant food on their farms. There has been much improvement along this line since the days when barns were built without basements and the manure from the stables was thrown outside, there to leach through summer rain and winter snow. Much of the richness of this exposed fertilizer is soaked away into the surrounding soil with the water from rain and snow. The land surrounding these manure piles was often so satu-



LOADING A MANURE SPREADER.

rated with this waste as to be unable to support plant life. The strength of this absorbed fertilizer was more than plants could feed upon and live. Experiment has proved that manure thus exposed loses in a few months nearly or quite half its value.

With the building of barns with basement cellars a portion of this waste was prevented, but much of the liquid is still lost on most farms. Cemented manure cellars are the exception, yet they pay a big dividend on money invested. Cement is not expensive. Sand can be found on most farms, or at least would cost little, and any intelligent man can mix it and spread it. With a cemented cellar and a proper use of absorbents the liquid can be nearly all saved, and it is of more value than the solid, being more readily available for the use of plants. The illustration shows a manure spreader being loaded at the barn.

Sugar Beets and Beet Sugar.

Though sugar can be extracted from many plants, the world's supply of sugar comes at present from only two plant species—sugar cane and sugar beets—and it comes about equally from each. The former is grown only in tropical or subtropical climates, the latter only in temperate climates. The great bulk of the beet sugar consumed is made in European countries, Germany, Russia, Austria-Hungary and France being the leading producers. But in recent years the young and rapidly growing beet sugar industry of the United States has come into prominence. There are now sixty-four active beet sugar factories in this country, located in sixteen different states. Last year the farmers of these states harvested about 365,000 acres of beets and delivered to the factories 3,415,000 tons of beets. From these nearly 426,000 tons of refined sugar were made. The yield of sugar per acre of beets was 2,341 pounds.

CLERKS SALE

The State of South Carolina, County of Laurens.

IN COURT OF COMMON PLEAS.

R. Lee Hunter, G. Wash Hunter, Mary E. Copeland, and Ella S. Evans, Plaintiffs, vs. Myrtle A. Hunter, John H. Hunter, Sarah Hunter, Herman A. Hunter, Callie H. Turner, Rex Hunter, Defendants.

Pursuant to a decree of Sale in the above stated case, I will sell at public outcry to the highest bidder, at Laurens, C. H. S. C. on Saturday in January next, being Monday the 3rd day of the month, during the legal hours for such sales, the following described property to wit:

All that tract or plantation of land situate, lying and being in Laurens county, state of South Carolina, containing five hundred acres, more or less and bounded on the north by lands of D. T. Copeland and the Harris place, on the east by lands of the estate of J. S. Blalock, deceased, and on the south & west by lands of J. Rhett Copeland & C. C. Young.

Terms of Sale: One-half cash, balance to be paid twelve months from date of sale, the credit portion to be secured by bond and mortgage of the purchaser over the said premises, bearing legal interest from date, with leave to purchaser to pay his entire bid in cash. Purchaser to pay for papers. If the terms of sale are not complied with, the land to be resold on same or some subsequent Saturday on same terms, at risk of former purchaser.

JOHN F. BOLT, C. C. P. & G. S., Laurens, S. C. Dated, this Dec. 14th, 1909. 20-21

CLERKS SALE

The State of South Carolina, County of Laurens.

IN COURT OF COMMON PLEAS.

M. S. BAILEY & SON, Plaintiff, vs. J. R. Anderson, Defendant.

Pursuant to decree of Foreclosure and Sale in the above stated case, I will sell at public outcry to the highest bidder, at Laurens, C. H. S. C. on Saturday in January next, being Monday the 3rd day of the month, during the legal hours for such sales, the following described property to wit: All that tract, piece or parcel of land situate, lying and being about six miles west of Wateree, South Carolina, county and state aforesaid and known as a part of J. E. Smith, estate and purchased by and from D. C. Smith and containing five hundred and twenty-five (525) acres, more or less and bounded on the north by lands of J. C. Smith, Jr.; east by lands of W. A. Anderson, south by lands of C. O. Witte of Charleston, S. C. and west by lands of James M. Smith deceased.

Terms of Sale: One-half cash, balance to be paid twelve months from date of sale, the credit portion to be secured by bond and mortgage of the purchaser over the said premises, bearing legal interest from date, with leave to purchaser to pay his entire bid in cash. Purchaser to pay for papers. If the terms of sale are not complied with, the land to be resold on same or some subsequent Saturday on same terms, at risk of former purchaser.

JOHN F. BOLT, C. C. P. & G. S., Laurens, S. C. Dated, this Dec. 14th, 1909. 20-21

FINAL SETTLEMENT.

Take notice that on the 8th day of Jan. 1910, We will render a final account of our acts and doings as Administrators of the estate of E. G. Mitchell deceased, in the office of the Judge of Probate of Laurens county, at 11 o'clock, a. m., and on the same day will apply for a discharge from our trust as Administrators.

All persons indebted to said estate are notified and required to make payment on that date; and all persons having claims against said estate will present them on or before said date, duly proven, or be forever barred. E. E. Simpson, E. E. Mitchell, Administrators. Dec. 8, '09—1 mo.

For "His" Christmas there is nothing he would appreciate more than a pair of our handsome Slippers, \$1 to \$2. R. E. Copeland.

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If You Have It, Read This Letter. Laurens Drug Co. Guarantees M-i-o-na.

"I was taken last August with a severe stomach trouble. The doctor said it was nervous dyspepsia. He gave me medicine for that. I took his treatment four weeks, didn't feel any better at the end of four weeks than I did when I commenced taking his medicine. I took everything I heard of. The first day of December, 1908, I got a box of M-i-o-na tablets. I took them that afternoon and the next day, and haven't had one bit of pain in my stomach since the 2nd of December. I took five boxes. Feel well now, sleep good—that is something I haven't done in a number of years."—Mrs. M. E. Maxfield, R. F. D. 9, Avonca, N. Y., June 9, 1909.

M-i-o-na in the form of a tablet is the best prescription for indigestion ever written. It relieves after dinner distress, belching of gas, foul breath, heartburn, etc., in five minutes.

It is guaranteed by Laurens Drug Co. to permanently cure indigestion, acute or chronic, or any disease of the stomach, or money back.

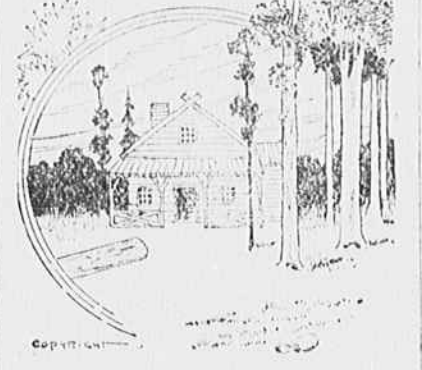
M-i-o-na is sold by leading druggists everywhere, and in Laurens by Laurens Drug Co. at 50 cents a large box. Test sample free from Booth's M-i-o-na, Buffalo, N. Y.

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J. H. SULLIVAN

Laurens, S. C.

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