

THE FARM AND GARDEN.

CROSSING OF CORN.

All farmers are aware that different varieties of corn will mix, and it is called, and some attention is usually paid in planting to prevent it where it would unfavorably affect a choice variety.

At the Kansas station for three seasons past careful experiments have been made in the artificial pollination of corn. In 1888, forty-one varieties were used; sixty-three attempts at cross fertilization were made, of which thirty-nine were successful.

HOUSEHOLD AFFAIRS.

A CEMENT FOR IRON.

This cement is suitable for stoves which have become cracked and it is desirable to patch up to meet the emergency. Such patching will not last long, but serves for a makeshift at the time.

There are many ways of cooking potatoes, and old potatoes need more care in the cooking to make them nice. They should be peeled and laid in clear cold water some time before cooking—changing the water two or three times, or use ice if you have it at hand.

Manure well if you want a good crop of lawn grass.

Power axes and better culture should be the motto.

The value of manure depends on what it is made from.

Have a system of rotation in the garden, as elsewhere.

Begin to cultivate corn as soon as you can follow the rows.

Only the finest manure should be used on the asparagus bed.

Plowing in green crops is the cheapest method of manuring.

The best prepared soil is the most favorable for germination.

Whenever the sheep comes to the barn give them water and food.

Put in a succession of crops of green peas; the same of green corn.

Old strawberry plants seldom produce as large berries as do young ones.

Sawdust diminishes the efficiency of stable manure—but only so far as it dilutes it.

The greatest potato yield at the Michigan Station was with seed planted one inch deep.

Farm products that excel in quality and have an attractive appearance never have to hunt a market.

It would do no harm, but likely destroy vermin and microbes, to fumigate your stable with sulphur.

Cabbages ought to be cultivated often and stimulated with fertilizers if the soil is not sufficiently manured.

Many coniferous plants are increased by cuttings on a large scale, especially retinosporas, arbor-vitae, and the like.

Cuttings of plants which root with difficulty are sometimes grafted, with good effect, upon those which root easily.

The rhubarb plant may be increased by divisions. Professor Bailey says that each division must contain at least one bud on the crown.

Produce something out of season, make it attractive and delicious, and see how quick it will sell and how soon there will be a call for more.

The soil for beets should be plowed from twelve to fifteen inches deep, and as much of the beet root grown beneath the surface as possible.

Gluten meal is a very excellent feed. It is the corn meal with the starch taken out of it, and consequently has a better feeding rate than the corn meal itself.

The black walnut is designed to cut an important figure on the farm in the near future. It can be made as profitable as the apple tree wherever it will thrive.

Leaf mold is a natural fertilizer for all trees and shrubs, and wood flowers, or any plants that like a shaded place. It is also very useful as an addition to potting soil.

Freshly laid sod is much more likely to succeed if covered with about an inch of fine soil. This will save it even in a dry time, when otherwise it would fall to get a good start.

It is true, much of the breed goes in at the mouth, but to know the best kind of a mouth to put it in is the rub, and necessitates a full knowledge of the herd book and score card.

Paris considers milk pure when it contains one pound of butter and four ounces of solids per quart, says an English journal, but such proportions seem irregular to dairymen here.

The advantage of hatching guineas under common hens is, that properly managed, they are usually more gentle than if the guineas hens are allowed to hatch them out and raise them.

While old hens usually lay larger eggs than pullets the shape of the egg has little or nothing to do with the life germ, and if the broad end is smooth and the egg is properly fertilized it will hatch.

The duration of a raspberry plantation depends upon the variety cultivated as well as upon the nature of the soil and care given the plants. Ten to fourteen years is about the average under good culture.

A good time to apply fertilizers to asparagus is just when we cease to cut the shoots. This causes a luxuriant growth of the plants during summer and autumn and this, in turn, gives thick fat shoots the next season.

Largest Farm in the World. There is a farm in the southwest of Louisiana measuring 100 miles east and south and twenty-five miles north and west. The 1,500,000 acres of which it is made up were purchased seven years ago from the State of Louisiana and from the United States Government by a syndicate of northern capitalists, by which it is now farmed. This immense tract is now divided into convenient pasture ranges or ranches, the fencing alone having cost \$50,000. All the cultivating, ditching, etc., are done by steam power, a tract of about half a mile wide being taken and an engine placed on each side. The company has three steamboats upon the 300 miles of navigable waters which traverse their estate, and also possesses a ship yard, a bank and rice mills.—Commercial Advertiser.

A Bottomless Spring. The great seltzer spring at Saratoga, N. Y., has been sounded to a depth of 3500 feet without touching bottom or encountering any obstacle. This strengthens the belief that this great Northern summer resort is built over a subterranean sea.—St. Louis Republic.

TEMPERANCE.

THE ANGEL OF EVIL AND OF GOOD.

The Angel of Evil stood and said—"Take, Mortal, take this cup; it will cheer your heart and clear your soul. Take, take, and drink it up!"

"When your feeling low, 'twill give you strength; When weak, 'twill make you strong; It will comfort you when all alone, And when the world goes wrong."

"You need not indulge to vice excess; But use the wine with moderation; Yet you'll strengthen your, sublimed distress, And stave the fainting soul."

So the Angel of Evil stood and spoke, As on the cup's full brink, The red wine gleamed, and he whispered—"O Mortal, take, and drink!"

But before the tempted one could drink, And ere he'd raised the glass, A cry—'Nay, Mortal, beware, and think, Nor taste the cup of woe!"

"Beneath its light lies a fatal spell, Its pleasures turn to pains; And ere the wine is in your glass, 'Tis of its scorching, fiery chalice."

"Upon the wine when it smiles look not, Nor court the joy it brings; For saintly souls it can foully blot, And plant a thousand stings."

"Alas! and seek for the grace Divine, Which gives you strength to stand, And labor to save from feverish wine Your home and native land."

The Angel ceased, and the listener bleat "Alas! and seek for the grace Divine, Which gives you strength to stand, And labor to save from feverish wine Your home and native land."

For wisely well rejoiced, And whosoever leads the way, Will surely well rejoice.

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TEMPERANCE NEWS AND NOTES. The alcohol habit and the snuff habit go hand in hand. Mayor Hemphill, of Atlanta, Ga., has vetoed all the beer licenses in that city.

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