### AGRICULTURAL.

FARM NOTES Arkansas stands sixth in the list of

fruit-growing States. Wyoming Territory has 467,584 cal tle and 332,568 sheep on her plains. The demand for young mule colts

was never so great as at the present. bushels.

The prospect in France is more favorable for a better quality and quantity of root in the beet crop.

Seventy different species of vegetables, with over 400 varieties, are grown in the United States.

A sinple way to cleanse old pork barrels is to fill with fresh earth and let it stand two or three days, then repeat fumigate with sulphur.

Pigs that have been raised on milk, grass, clover, tubers and roots till they weigh 150 or 200 pounds are generally nealthy. They are then in good condition to fatten.

An English stock company has secured about 100,000 acres of land in the Province of Quebec, where it is proposed to colonize a large number of English and Scotch farmers.

The beet sugar company of Portland, Me., is working day and night with a force of 125 men, working up 150 tons of beets daily, and expecting to use 10,-000 tons this season.

The barley crop of Canada is estimated at from 9,000,000 to 10,000,000 bushels, which, after allowing about 2,000,006 bushels for home requirements will leave a surplus of 7,000,000 to 8,000,. 000 bushels.

As a slight evidence of what Texas is doing in the way of raising fruit trees it is stated that a nurseryman in Washington county has twenty-seven men traveling, and holds orders for 70,000 peach trees.

Hartford county, Conn., and Lancaster county, Pa., produce more tobacco than any other two seed-leaf tobaccogrowing counties in the country. The former produces the finest light colored leaf and the latter the darkest

seed leaf grown. It is reported that sorghum cane raisers about Oconomowoc, Wis., get this year one gallon of syrup from each square rod of ground. This gallon costs 25 cents and sells for 50. At that price the profit is about one-third more

than from a good wheat crop. An international exhibition of sheep, rams and muttons is to be held at Newbrandenburg, Mecklenburg-Strelitz, Germany, on the 24th and 25th of May, 1881, under the protection of the Grand Duke of Mecklenburg.Strelitz, who expresses the desire that the sheep raisers of America may be induced to to take part in the exhibition.

BONANZA FARMING IN DAKOTA TERRITORY .- The Fargo Argus supplies some interesting particulars of the result of this year's operations on the now celebrated Grandin farm in Dakota; "During the seasou of 1880 the management cultivated 5,921 acres of wheat, the total yield of which amounted to 137,237 bushels, or an average of 23 bushels and 10 pounds to the acre. In addition to this there were 304 acres of oats, which produced 18,925 bushels and 141 acres of barley, the crop of which was 3,520 bushels. The Grandins will break new land for the next crop to the extent of 2,080 acres, giving a total area for seeding next spring of 8,001 acres. This splendid estate consists of the River wheat farm, of 40, 000 acres, on the Red River of the North, and the stock farm at Mayville covering 29,000 acres. Total, 69,000 acres. As a slight commentary upon the question, 'Does bonanza farming pay?' It may be mentioned that 37,-000 bushels of wheat will pay all the expenses of the institution for the year the other productions-oats and barley -will feed the stock, and the proceeds of 100,000 bushels of North Dakota No. I hard wheat will represent the net profit of the Grandin crop for 1880.

INTERNATIONAL POTATO SOCIETY .-The exhibition of this society was held a few weeks since at the Crystal Palace, London, and was so extensive that 2,500 dishes of nine tubers each were shown by 100 exhibitors. Many prizes were awarded, and those for new varieties the first was given for a long Round Kidney crossed by the Early Rose; the second to a seedling of the Early Rose crossed with Penn's Early white variety, not crossed. A writer in the Garden says that, although some collections embraced hundreds of sorts. yet only thirty included about all that are commonly cultivated. Of recog nized sorts America furnished about cultivators find a great advantage in cross with their own.

LARGE YIELDS OF CORN.-A series of prizes having been effered by a Mr. Bond for crops of corn raised on one-Maryland, there were five contestants. and cause of isolation. The first prize went to a crop which yielded at the rate of 186 bushels (37.2 and 174.15 bushels per acre. On the time.

first prize crop barnyard and commercial manures and sahes were used at the estimated value of \$160 per acre; the second best plat had \$60 worth per acre. The next in order made no estimate of value of manure. The next used manure at the rate of \$64 per acre, and the fifth at the rate of \$40. Not over two stalks were allowed to grow The estimated crop of flaxseed raised in the hills, which were in rows three in this country this year is 3,000,000 feet apart. The average on the five plats was at the rate of 180 bushels per acre. From 5 to 12 days work was put on each plat, or 40 to 96 days per acre.

#### National Humor.

To crush the Kurds is quite the cheese in Persia.

When the pain is out of a man he is all right; when the pane is out of a window it is all wrong.

Talmage is bounded on the north by his ears, on the south by his feet, on the east and west by his elbows.-Boston Star. H'm. Where does his mouth come in?

-" He'll come to-night; the wind's at rest, The moon is full and fair;

I'll wear the dress that pleased him best-A ribbon in my hair." Great Scott! but that's an airy costume for cold weather.

"What do you eat those horrid mushrooms for, Matilda?" asked the dainty Augustus. "I don't see how you can bear them. They're nothing but a nasty fungus anyway." "That's just it," replied the fair Matilda, balancing a bit of the libelled food on the end of her fork. "I eat them for fun-Gus."-New York Express.

A South End woman hunted two hours for a needle she dropped on the floor and couldn't find it, and then her husband came in and had hardly taken his boots off before he could tell where it was. Queer how men can do hings that women can't. - Boston one word, but one word. At last I re

THE FALSE ORLANDO. While stars are twinkling bright above, And Luna sings in western steeps, Her lonely watch fair Cynthia keeps And broods upon her maiden love.

Upon her pallid cheeks a tear Strays from her wan and flerceless eye, And from her lips escapes a sigh-

O, why is not Orlando here?" Is that his voice in yonder dale, That floats like music in the air? No, no! Orlando is not there-Tis but the tuneful nightingale.

is it his step upon the hill That brings the bloom to Cynthia's cheeks Nay 'tis a thirsty mule that seeks Refreshments at the mountain hill.

Heaven help thee in thy piteous plight, O Cynthia, fair as summer skies-Compose thy sorrow, wipe thine eyes-Orlando will not come to-night.

For in the mid-night's solemn hush He breathes a vow that smells of wine-He holds a hand that is not thine, And dallies with a bobtail flush.

### Gems of Thought.

Some people think it an excess of magnanimity to forgive those whom they have injured.

A failure only establishes this, that our determination to succeed was not strong enough.

Nothing is more fatal in self advancement than a stupid conversation, or servile imitation.

The spirits may be exhausted by employment, but they are utterly desolated by idleness.

Speak of people's virtue, conceal their infirmities; if you can say no good, speak no ill of them. The most miserable pettifogging in

the world is that of a man in the court of his own concience. The tongue of a fool is the key of his

own council, which, in a wise man, wisdom hath in keeping. Great powers and natural gifts do not

bring privileges to their possessors, so much as they bring duties. Never attempt to convey the impression that you are a genius, by imitating

the faults of distinguished men. While circumstances may make or mar a man, it is equally true that he

may often make his circumsrances. Every person has two educationsone which he receives from others, and one, more important, which he gives

### The Force of Habit.

A drummer, who never dined any-Market, and the third to a round, where but at a table d'hote, is invited to dine with one of his best customers, who is no end of a swell. The soup being removed and a clean plate placed before our commiscovageur, he instinctively brushes its surface clean with his napkin. The host nods severely to the fifty, and one exhibitor, who had a servant who removes the plate and very fine lot of twenty-four sorts, in- substitutes another one, which is sim. cluded among them no less than sev- ilarly removed, and so on. At the enteen that are American. English sixth renewal the drummer says confidentially to his neighbor : "Say,does employing the American vorieties to the old stem-winder expect me to polish all his crockery for him?"

Generally, says Bilfinsh, superior men are lonely men. Their superiority eighth of an acre, in Harvard county, isolates them; or it is at once the effect

"barrels") per acre, the second to a man; one of them is that his will has Emile Jannin, of Paris. It is said to insects and flowers of rich enamel studded crop of 183.2 bushels, the third to 181.5. no operation till he is dead; whereas be superior to any other material for the surface, growing among the golden

#### Poe's Love Affair,

If Griswold was too harsh, Mrs. Whitman was too lenient. Mr. Ingram's work contains the best account of the romantic love affair between Mrs. Whitman and the poet. The breaking off of the engagement is thus told by Mr. Ingram:

"He arrived in Providence full o the most sanguine hopes; he had proposed to himself a career of literary success, dwelling with enkindling enthusiasm upon his long cherished scheme of establishing a magazine that should give him superior control of intellectual society in America. His dreams of love and triumph were rapidly destroyed. In a few days he was to be married; he had advised his aunt, Mrs. Clemm, to expect his and bride's arrival in N. w York early the following week, when information was given to Mrs. Whitman and to her relatives that he had violated the solemn pledge of abstinence so recently given. Whether this information was true, no one living, perchance, can say. When he arrived at the dwelling of Mrs. Whitman, "no token of the infringement of his promise was visible in his appearance or manner," said that lady, "but I was at last convinced that it would be in vain longer to hope against hope. I knew that he had irrevocably pean railways. lost the power of self-recovery. .

Gathering together some papars which he had intrusted to my keeping, placed them in his hands, without word of explanation or reproach, and, utterly worn out and exhausted by the mental conflicts and anxieties and re sponsibilities of the last few days, & drenched my handkerchief with ether and threw myself on a sofa, hoping to lose myself in utter unconsciousness. Sinking on his knees beside me, he entreated me to speak to him-to speak sponded almost inaudibly, 'What can I say?' 'Say that you love me, Helen. 'I love you.' These were the last words I ever spoke to him."

### A Wax Tree.

This is a Japanese conceit, said to b useful and ornamental. Mr. Asher, says the San Diego News, has a sample of the wax produced from it, as clear as the wax produced from honey, almost, and quite pretty. He will be able to supply the tree, if wanted. A circular in our possession says of this tree and its wax: The most important article for illuminating purposes in Japan is the candle made from the fruit of a tree about the size and ap pearance of the common sumac of this country. It is grown more or less extensively almost everywhere in Japan, and especially in the western provinces, from the sonth northwest to the thirtyfifth degree.

The tree has a quick growth, and attains the dimensions of a foot and a half and a height of twenty-five feet. The blossoms appear in June. They year. The berries are the size of a small pea, of a white color, hanging in clusters, and contain the wax as a thick, white coating of the seed. The ull-grown tree is said to yield about fifty pounds of seeds annually, nearly one-half of which is wax. It is a hardy plant growing on indifferent soil, and living for many years. Ir. Japan they are planted by the roadside, on embankments and in out-of-the-way places.

The wax is obtained by the berries being crushed, steamed, and then placed in hemp bags and pressed in a wedge-press. It is also obtained by boiling the bruised seeds and skimming the wax from the top. The wax is a palmatine or glycerine; when first extracted it is of a yellowish white color, and somewhat' softer than beeswax. It melts at one hundred and twenty-seven degrees, and when formed into candles gives a fine, clear light. In ordinary candlemaking the unbleached wax is used. When washed and bleached in the sun and air it assumes a pure white color.

### Industrial Progress.

Iron is superseding wood in furring, lathing and light beams and rafters in house building.

The new depot of the Jeffersonville, Madison and Indianapolis road, in Louisville, will be the finest in the South.

Captain Eads will push his Isthmus ship railway, project the coming winter, and regards the Tehuaantepec route as the best.

(Ind.) Railway has laid 1,970 tons of wise, and dropped into diminutive cubic steel the past year, making sixty | fragments. These were scattered on chareight miles of steel track.

nel, to connect France and England, it is said, will be finished in two or | soldered upon the surface of this masterthree years. The preliminary work is piece of Mexican goldsmiths. But the well advanced.

the city of Mexico is said to be a martook thirty-six years to build.

coffee are produced in the West Indies, \$100,000,000 of the beverage sold in Paris and 1,080,000,000 pounds of the berry estimated as the world's product. This industry has been created

cubes, can be laid up so as to present

a double wall, giving a single or double

air space, making walls at once at

warm, fully as durable, and at as little

expense, or very nearly so, as in the

It is stated that 600,000,000 pounds of

use of wood.

since the last century. The bullion product for September, reported from thirteen gold mines, fifteen silver mines and four gold and silver mines, was \$1,802,100, against \$1,833,000 during 1879. The total consists of \$750,100 gold, \$1,142,700 silver. and \$26,300 lead.

The recent railroad disasters from open switches led the New York Herald to urge the adoption of switches with crossbars, which could be made to strike an alarm key extend a few inches above the smokestack and ringing an alarm in the engineers cab.

A French engineer has invented a new means of heating railway cars by foot warmers filled with acetate of soda, which holds heat for several hours. Of course the American plan of steam or hot water heating would be too practical and sensible for Euro-

The New York Central Railroad has built an eight-wheel passenger engine, the William H. Vanderbilt, with driving wheels 61 feet 33-inch truck wheels, 50-inch boiler, and cylinders 18 by 24 inches, air brakes and an improved spark arrester. It is expected to draw twenty loaded cars.

Professor Macoun, of the Canada, Pacific, and other authorities, estimate that there are at least 200,000,000 acres of good land in the Northwest, so that after satisfying the land grant to the syndicate and their own reserves the Government will still have 150,-000,000 acres to dispose of.

Terra cotta roofs are almost universally employed upon the most expensive buildings and the material may be procured sufficiently porous to hold the nail which confines an outer covering of slate or corrugated iron, or may be glazed to form a perfectly wa-

ter-tight surface if desired. The Central Vermont Railroad is now laid with steel rails from St. John's, P. Q., to White River June, tion, and the recent relaying of the entire length of the Grand Trunk line to Chicago with steel makes a continuous track of steel from Boston to Chicago. The line comprises 2,000 miles of track, and operates 600 locomotives and 10,-000 cars.

Another marvel recently brought to light in the Yellowstone Park is nothing less than a mountain of volcanic glass.

The Railroad Gazette reports the construction of 226 miles of new railroad, making 4,614 miles thus far this year, against 1,859 miles reported at same time in 1879, 1,724 miles in 1879, begin to yield berries the third or fourth | 1,824, miles in 1877, 1,913 miles in 1876, 1,080 miles in 1874 1,524 miles in 1874, 3,130 miles in 1873, and 6,106 miles in

### A Beautiful Bracelet.

In the jewelry store of S. H. Lucas, of

Santa Fe, is the most magnificent piece of Mexican filigree jewelry in America, and probably in existence. It is a bracelet, and is owned by Mr. Charles Thayer, of Santa Fe, who having himself been in Santa Fe for thirty-one years, came into possession of it many bears ago. Two thousand dollars has been offered for the armlet, but he refuses to sell it. Earnest Ingersoll, writing from Santa Fe a year ago, thus speaks of this specimen of the cunning of the Mexican artificers: "This bracelet was made more than sixty years ago, in the City of Mexica, at the expense of four and a half months of labor and \$450 wages, exclusive of the value of the materials. It consists of a massive piece, shaped like a quarter section of orange peel, and of equal size, from the points of which extend the broad series of ornate pieces that were to clasp the rich, round work is a filigree of pure reddish gold, fashioned in an intricate lace work like a | E close intertwining of vines and tendrils, and each line of the filigree is elaborately chased and studded with lines and circles and branching sprays of minute round balls or berries of gold, in size from a pinhead to a microscopic speck. There are said to be more than 4,500 of these. Do you know how they were made? A thin sheet of gold was cut into a fringe with scis-The Evansville and Terre Haute sors, then the fringe was snipped crosscoal and put in the furnace, where they The new funnel beneath the chan- were speedily melted and ran into polished globules, which were sorted and chased and studded gold was not enough. The railroad between Vera Cruz and | Across the crest of the centre-piece of the bracelet flew a parrot, whose head gleamvel of engineering. It ascends 7,600 ed in blue and green enamel, whose back feet, 4,700 in twenty-five miles, and and wings were tinted dove color and pale brown by some process now lost. Beside Celluloid; is the material used for it two brilliantly enamelled lizards eyed Woman has many advantages over stereotype plates under the patent of each other suspiciously, and everywhere and the other two made crops of 175 hers generally takes effect in her life 'use on the high speed cylinder presses. | vinery that bore abundant fruit of tar-Terra dotta, constructed in hollow | quoise and amethyst.

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