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# The Centre Democrat.

BELLEFONTE, PA AGRICULTURAL. NEWS, FACTS AND SUGGESTIONS.

THE TEST OF THE NATIONAL WELFARE IS THE INTELL. GENCE AND PROSPERITY OF THE FARMER.

Every farmer in his annual experience discovers something of value. Write it and send it to the "Agricultural Editor of the DEMOCRAT, Bellefonte, Penn'a," that other farmers may have the benefit of it. Let communications be timely, and be sure that they are brief and well pointed.

Nutriment in Grain and Hay.

Corn is a fat-producing food. Its fat giving elements predominate so largely that it is not fitted for constant feeding, except to lay on fat at the cost of suffering loss to the gen. eral animel system. It is hardly worth while to take it into consideration as a nutritious food, and it is wholly unfit to feed exclusively or in any great quantity to colts. It is in no sense what the developing system of a young animal needs. The value of a food for this class of animals, and for animals that are heavily work ed, is in the proteine they contain, and common corn contains only from 8 to 14 per cent, of that. In a thousand pounds, therefore, corn may be fairly considered as possessing a hundred pounds nutriment. Of course, we cannot wholly throw away the other

elements as being useless, but they are so subordinate to the one named in point of nutrition that, in noticing a subject like the one under consider ation, it is not worth while to attempt to determine their value. Oats will average larger in proteine than corn will, and are a pre-eminently nutritious food, as every one of experience knows. They vary very much in the proportions of their elements, but an average lot of oats is worth double for feed of horses and colts what corn is, and that is stating it quite mildly. Timothy averages about 6 per cent. of proteine, but is valuable also as furnishing bulk, the

value of which cannot be accurately estimated. Reviving Fruit Trees.

Mr. S. D. Pratt writes to the American Institute Farmers' Club about the care of fruit trees as follows : "Remembering Prof. Liebig's theory that when a vegetable is burned the part which came from the air in the process of its growth returns to the atmosphere, and the part which came

from the ground is reduced to ashes, I came to the conclusion that ashes would be beneficial when applied to the roots of the trees. They were standing in the soil strongly inclined to clay, with a turf around them that had not been removed for several years. After pruning them properly, removing every indication of worms, etc., and washing the body and branches with soap suds, I began operations below, first removing the turf two feet around the tree, then with a garden pick the ground was loosened from six to twelve inches in depth, taking care not to injure the larger roots. Twenty or thirty quarts

of loose dirt were removed, leaving a large cavity, shaped like a saucer

#### Pastures

strong sword. The soil should be firm and naturally fertile.

Pastures are often spoiled by turning on stock too soon after seeding. The grass roots should have time to great deal longer. become firmly set and in vigorous growth before the grass is cropped. The fibrous and deep-rooted varieties of grasses are the best for permanent pastures.

Care should be taken not to overin the most favorable season of the a stream of cold water into one of turage for the hot and dry months.

It is the best plan, where possible, to have different fields enclosed and from its throat with a jerk. I have separated from each other, so that a seen it tried lots of times, even after change of pasturage may be had at hoe handles and broomsticks and different times during the season. divers other plans hand been tried in The animals will be much more thrif. effectually, and I never knew the cold ty under such circumstances, the land water stream to fail on cattle or retains its strength longer and the grass will not run out so soon.

With the best pasturage it is needmud holes.

to the usefulness of lime, that its pleasant and thickly settled neighbor-Lime breaks up and pulverizes stiff of prosperity everywhere. clays, improving their texture. It ONE of the benefits of drainage is putrescent matter, etc., but in all such warms earlier in the spring, and per be made useful they must be covered better tillage. with earth during the action of the lime to absorb the ammonia.

Mr. J. H. Moore, of Winthrop, Col. F. D. Curtis says in the Coun-Me., says: Good English hay and try Gentleman that a great many

adopted.

THE American Garden says that or the purpose of making soil fria. ble sifted coal ashes, where they can be readily had, are better than sand-They are more easily disseminated through the mass, and contain a small proportion of mineral sals likewise, though their merit is princi" pally mechanical. I had a patch of inches apart and 6 inches apart in clay over taprock that after a rain the row. took on the consistency of putty. I Chickens when first hatched should could do nothing with it. Vegetable manure is scorned, and the spade cut twenty four hours at least, from the in it as though it were skim-milk time the earliest commence to show cheese. The place was made the receptacle of the winter's ashes. Two years after it was dug up through a need no food for from a day to a day spring I manured it and had it dug strong enough to venture from bein the world, with melons. They were a stricking success. More than that to move the brood. the friability of the soil remained permanent. PRESIDENT HOARD, in his address was so poor that it yielded nothing before the Northwestern Dairymen's but poverty weed. In 1858 he com-Association, among other hard facts, menced planting pine seed, planting stated that not one in a hundred of more or less for ten years, and now the patrons of the cheese factories he has about eighteen acres of quite and creameries of the Northwest ever valuable woodland which was worthattended a Dairy Convention. But less before. very few of them read such papers as devoted special attention to this turist, aloes in fine powder is sure desubject. They do not seem to care struction of lice on animals Good whether they succeed well or ill at feed and plenty of it will generally the business. The only phrse of the prevent the lice from getting on, but dairy business that is seriously over. aloes is a safe remedy, dusted on dry done, and that continually, is the in all weather. making of poor butter and cheese.

protracted dry season. The experience of all gardeners is that seed The best pasturage is afforded by a germs of cucumbers, squashes, melmoderate grade of upland with a close, ons, lima beans, sweet corn and the wrinkled peas connot survive protracted cold or wet weather, while the seeds of the carrot, beet, onion, turnip and lettuce will withstand the trial a

CHOKED CATTLE .- A correspondent of the Rural New Yorker, who signs himself "Grandmother," recommends the cold water cure for distressed animals. "If a creature gets stock the land. An area that will choked," she writes, "take some cold support a certain number of animals water and a rubber syringe and squirt year may fail to furnish enough pas. Its ears. It gives the animal a sur. prise, and it shakes its head with a vengeance that starts the obstacle or horses or even hogs.

LARGE farms usually mean large ful that dairy cattle should have an tax-bills, poor crops, poor horses and abundant supply of pure water on stock, broken-down farmers, sparsely their range, easy of acess. There is settled districts, old and dilapidated scarcely anything that so quickly af. farm buildings, poor fences, and fects the character of milk and but. things have a kind of run down and ter as water from stagnant sloughs worn out aspect all around. Small farms mean well-tilled land, good crops, neat farm buildings, healty The Iowa Register says, in reference and intelligent farmers, good roads, power to decompose makes it speci. hoods, plenty [of good schools, good ally valuable in poor granite soils fences and well fed stock, and signs

decomposes inert vegetable matter, that land that is well drained can be peat, roots, etc. It hastens the decay worked soon after rains and endure of stable manure and dead carcasses, the drought better, while the ground cases if the manurial qualities are to mits of more abundant crops and

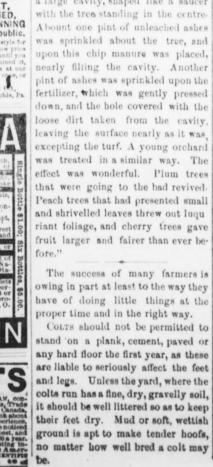
### Gleanings

corn meal is good enough for my farmers comfort themselves with the cows, and is what I feed to dairy notion that if they change seed with stock. Old gunny bags, rags and some other farmer they are doing a yellow dirt mixed and ground to- good thing. This is a mistaken idea. gether, under the name of cotton Seed should be improved and taken seed meal, I leave for anybody who from the farm where it is grown, and wants to feed it; it's on a par with to which it has adapted itself. At meadow hay, straw and corn fodder home is the place for improvement for the production of choice butter. The idea that the little germ of a The Canadian Meteorological Bu- seed can carry the good qualities of reau propose to attach weather sig- a good farm with it is ridiculous; nals to railroad trains for the benefit but it can carry with it peculiarities of farmers along the routes. Our in its nature (growth and maturity) Signal Service costs the country \$1, acquired in one place, which will be 000,000 a year now, and if any sys- unsuited to another. He therefore tem will make it of some real benefit advises farmers to improve the seed to the country generally it should be on their own land by careful select tion of the best ears for planting.

In planting cuttings of gooseber. ries and currants single stemn ed bushes should always be preferred ; therefore, select the young growths of last year, which should be at least 9 inches long, 12 inches or 15 inches not being too much. Cut out all the eyes or buds except two or three at top, and plant firmly in rows 18

themselves, it is better to leave them and a halt usually. When they get neath their mother's wing it is time A Cape Cod correspondent of the Boston Journal says that he owns a hundred acres of land of which some





THE best of seeds, shabbily treat ed, are liable to fail. Much wet primary schools in France. Every weather will prove fatal in some cases, school has its garden, and teachers. while other seeds will go right on ; moderate drought will destroy many but qualified to teach horticult germs, while others will withstand a they cannot pass examination.

According to the Western Agricul-

Gardening is regularly and practically taught in more than 20,000 must not only be good gardeners, but qualified to teach horticulture, or