### FARM COLUMN.

-According to the official estimates of the San Francisco Produce exchange, the stocks of wheat in California July 1 were 2,760,000 centals, against 1,258,000 centals one year age. The stocks of barley were 800,000 centals, against 115,000 centals one year ago.

### FOOD FOR CALVES.

Milk is the natural food for young calves, and for those to be kept as cows it is none the worse, but the better, for being skimmed. It does not fatten so much and the bulkiness of this kind of food distends the paunch and thus gets the animal in the habit of eating a large quantity of food. This in a milch cow is the trait most important in determining her value.

### TRAMPLING OF CLOVER,

It is astonishing how easily clover is kept down by a little trampling. Walking through it a few times in one track while young makes a path plainly visible for weeks or months after. The grasses are much more hardy, and on, light soil seem to thrive rather better for some trampling, as it presses the soil close about their roots. This is one of the made into hay, but in its early growth it has not nearly so much sweetness as the grasses whose roots run near the surface.

### MOISTURE FOR GOOSEBERRIES.

The trouble with mildew on gooseberries is due mainly to the fact that our climate is too hot and dry for them. The American varieties are partially acclimated and will endure this better than the English sorts. But they should be planted on heavy and rather moist soil, and should be mulched heavily so as to keep the soil moist and cool. On light ground thus mulched gooseberries can be grown, provided the plants are not too much thinned. If the bushes grow in clumps one protects the other from the sun, and the soil beneath them does not dry out so soon. Probably a dressing of salt to attract moisture will be beneficial.

### APPLE TREES BY ROADSIDE.

There are many places by roadsides where apple trees might be profitably planted, and they would besides add to and with those trees which will fruit unthe attractiveness of the drive, especially | der all conditions it may be kept up, but when laden with bloom or fruit. The wash from the roadway will keep them thrifty, and where the center of the road must be checked to produce fruiting. Old has been laid up with stone a network of fine roots will run beneath them from the trees ready to take what plant food is washed down to them. This makes it possible to grow trees with profit by the roadside, where they are planted higher than the road bed the roots will soon find where the manure wash goes to and follow after it.

-As we farmers pride ourselves a great deal in the gift or faculty of common sense, can we not learn a great deal, with an opening mind from comparatively small things in themselves! A teamster, with his ten or twelve mules, loaded with as many thousand pounds of freight. At the signal from the driver and the jingle of the bells, each mule plants his The object of steaming the fruit is to exfeet on the ground and the load moves | pel the air and arrest the changes in the like a thing of life. Now the same mules, hitched to an ordinary gang plow, turning over in fine shape ten or twelve acres I than we can discern and needs much less a day, will exert a power for good. But than the crevice of a hair or pin's point take these same mules and hitch them to to enter and spoil the contents. Glass the same plow in circular shape, and that is free from crack or air-bubbles with the same power and willingness that I yellow-ware, or strong, dark earthen jars he did before, but each is laying out his will keep the fruit from the air, provided strength independent of the other and it is sealed with putty, war, or bladder pulling in a different direction. The re- | soaked and left to shrink on the mouth sult is wear and tear of material and lost of the jars. Cans with screw tops and power and time. This seems to be the day of association, co-operation and corporation. It seems that the farmer is al most the person to call to his aid this immense power in the management of his dark, cool place, very little above freez domestic economy. When the farmer ing. A shelf in a furnace-warmed storeshall be brought to a full realization of room opening from a kitchen is not the the immense power and benefit of those place to preserve fruit. It may be put up crowded on the roosts cause lice to breed three words, "association, co-operation in the best manner and yet spoil through | very rapidly, and as the vermin begin to and education," then will be be given the keeping in the light or where it is not cool. proper station to which he is entitled Glass cans should be wrapped in paper, diminishes until very few eggs are obamong his fellow men .- D. Flint, P. M. Cal. State Grange.

- The value of manure for all crops, and especially for garden vegetables, is thus explained by the veteran Peter Henderson, who is considered excellent au thority on such matters. He says:

"It is a grave blunder to attempt to grow vegetable crops without the use of manures of the various kinds. I never yet saw soils of any kind that had berne a crop of vegetables that would produce as good a crop the next season without the use of manure, no matter how rich the soil may be thought to be. An illustration of this came under my observation | family. last season. One of my neighbors, a market gardener of twenty years' experience, and whose grounds have always been a perfect model of productiveness. street through his grounds; thinking his cation of unleached wood ashes.

land sufficiently rich to carry through a crop of cabbages without manure, he thought it useless to waste money by using guane on that pertion on which the street was to be, but on each side he sowthe acre, and planted the whole with carly cabbages. The effect was the most marked I ever saw; that portion on which the guano had been used sold off readily at \$12 per hundred, or about \$1,400 per acre, both price and crop being more than an average; but the portion from which the guane had been withheld hardly averaged \$3 per hundred. The street occupied fully an acre of ground, so that my friend actually lost over \$1,000 in crop by withholding \$60 for manure. Another neighbor, with a lease only one year to run, also unwisely concluded it would be foolish to waste manure on his last crop, and so planted and sowed all without; the result was, as his experience should have taught him, a crop of inferior quality in every article grown, and loss on his eight acres of probably \$2,000 for that season."

### PERDING TREES.

The other day, when mowing in my lot, my attention was called to two cherry trees, one in the sod, the other not two strong arguments against pasturing clov- two cherry trees," said the owner, "show slide. er. It is liked by all kinds of stock when the difference between cultivation and no cultivation. The one in the grass was the larger tree when they were set out, and the other was accidentally broken to a stub. It grew up again, and now look at them." The trees apparently four years planted, did show a wonderful difference. The one in the cultivated ground was at least three times as large as the other, and its growth of the most healthy and vigorous kind. In a few years from now, when the trees are bearing, the one will be able to carry a bushel of fruit where the other does a peck, and it will be the healthier and longer-

> Trees are as sensitive to cultivation as any other plant. By right care their growth can be greatly increased over that of an uncared for one, and in most cases it will be of greater value. A thrifty growing forest tree gives a much more serviceable timber than a scrub, and in quality of wood there is no comparison. Our fruit trees, too, will bear cultivation, but it must be done most judiciously. Growth, when young, is a prime necesity some trees cannot be kept growing continuously or they will not bear. They trees, I am confident, are often mistreated and often die because they are not stimulated. Their yearly growth becomes less and less and fruiting heavy, and unless they are fed they become so weak as to yield to the climate. I have just seen half a dozen trees in a fine old orchard that are in this condition. An old tree with its great bracking system can carry se much leaves and fruit that it is to be cherished .- State Journal

### CARR OF PRESERVED PRUIT.

Keeping fruit of any kind depends on three things. It must be sound to begin with. A speck of decay or acid change will develop ferment in a kettle of fruit. Second, the jars or cans must be air tight, juice, which would naturally proceed to ferment. Air penetrates in finer ways what is the result? Each mule pules well-glazed stoneware free from flaws, rubber rings are apt to have slight defects which prevent perfect sealing and cannot be depended on without wax.

Third, the jars must be kept in a dry buried in sand or sawdust, or kept in a dark closet. Packed with plenty of chaff, dry sand, or sawdust, or sifted ashes most preserves will stand freezing weather cholers. The poultry house must be kept without injury, but each can needs at least six inches of nenconducting material about it on all sides for protection. A ly on every part. pit en one side of the cellar, dug below the reach of frost and lined with boards. with straw, or ashes between them and its walls, will keep preserves from heating or freezing. A pit dug in the cellar four feet below the level of its floor, well drained and lined as above, will prove the best place for keeping small quantities of preserves, enough for a single

### NOTES OF THE PARM.

From Omaha Merald. It is claimed that sorrel can be eradi-

Keep the hens that molt their feathers | Drunkennesser the Liquor Habit Postearly, as they will begin to lay before winter. It requires about three months

Goats for milk are carefully bred in ed guano at the rate of 12,000 pounds to England, a registry book recording their Pedigrees is kept, and only meritorious effect a permanent and speedy cure. females are used for breeding.

> The farmer who was careless in regard to the selection of his seed corn has had plenty of opportunity recently to experiment in replanting, or giving up his corn crop for a bad job.

Never use sulphur on the bodies of young chicks, for gapes or any other disease. Lard and sulphur applied while in the downy state will cause sores and torture-sometimes death. This we have found true, to our cost.

Work the strawberry plants well now and remove all the grass and weeds between them. If a plentiful supply of manure be used the plants may be allowed to throw out a large number of runners, but between the rows should be kept clean.

Young chickens, as soon as weaned, should be proyided with suitable perches. Make them low and on a level. It will be better for their health to get the young fowls off the ground as soon as possible. rods away, in cultivated ground. "These Do not neglect to provide a door or

In pruning trees of any kind it is better to leave one strong branch or limb than two or three weak ones, says Popular Gordening: It is better to keep limbs thinned out than to cut back and make to close heads. Let the sun's rays in all through the trees.

A heavy mulch between the rows of raspberries and blackberries will double the crop of fruit and save time in cultivating; but just before applying it-go, through them with a cultivator and hoe, treating the suckers that have sprung up as noxious weeds.

In twenty days the eggs of one hen would exceed the weight of her body. So of any bird. Yet the whole of that mass of albumen is drawn directly from her blood. If stinted in her food, of course, it would limit the number as well as the size of the eggs.

The quince is a great feeder and needs good cultivation. No other fruit requires so much manure and such thorough cultivation. If the trees be neglected it is kely that there will be no fruit, but if there shall, it will be of small growth and unsightly appearance.

The spring litter of pigs should be removed from the sow and turned on the clover; A warm mess in the morning and at night of scalded ground oats and middlings will cause them to grow very rapidly, as they will also secure a large share of their food in the field.

Clover is one of the greatest consumers of lime among farm crops, and this explains the marvelous effect of sulphate of lime or land plaster in making clover catch. On heavey soil a dressing of 100 pounds of gypsum per acre rarely fails to bring a good clover.

Bermuda grass grows wherever it has been given a start in Texas, and is fast getting a hold on the good opinion of stock farmers. It has been largely confined to lawn purposes, but now its use as a pasture grass is commending it to all who have stock to graze.

Good butter cows will make a pound of butter to every 14 to 18 pounds of milk. "General purpose cows" want from 22 to 31 pounds, and some cows would require 50 pounds of milk to make a pound of butter. Average dairies require somewhere about 25 pounds of milk to make a pound of butter.

It is assumed that of course, the milkpail should be thoroughly washed night and morning, and as soon as possible after the cow is milked. At this season a slight neglect in this matter will soon make the milk unfit to use. Half of the complaints of the city milk are due to carelessness in handling it, and especially in cleaning the cans in which it is carried around for sale.

Lice is the summer drawback to poultry. Old nests, filthy floors and fowls attack the hens the production of eggs tained. The final result is that the fowls are debilitated from the attacks of the pests, and quickly succumb to roup and clean and well whitewashed, while kerosene and carbolic acid may be used free

When Baby was sick, we gave her Castoria, When she was a Child, she cried for Castoria, When she became Miss, she clung to Castoria, When she had Children, she gave them Castoria

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MASON LONG.

WORM BLOCKS. LINA, O., Jan. 25, 1881.—The Synvita Worm Blocks acted like a charm in expelling worms from my little child. The child is now well and hearty, instead of puny and sickly as before.

JOHN G. ROBBINSON.

### BLACKBERRY BLOCKS.

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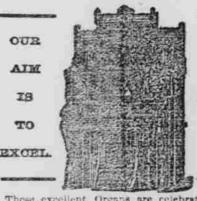
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