WILLAMETTE FARMER: SALEM, OREGON, AUGUST 8, 1884.



Educating Horses.

of their understanding as well as child mission of the qualities of a parent. If ren, and can be easily damaged or ruin. we wish to reproduce the individual pe ed by bad management. We believe cultarities of a good animal, we shall be that the great difference found in horses in it a strong constitution and great as to vicious habits or reliability comes vital force and personal vigor. Such much more from the different manage- animals, whether male or female, trans- than others. Several breeds of fowls II eggs or larve are found no further tion ment of men, than from variance of mit their own personal peculiarities natural dispositions in the animal. Hors, es with high mettle are more easily ed-uon, whether exhausted by overwork or ucated than those of less or dull spirits, reduced by lack of appropriate food or and are more susceptible to ill training, care, or which are weak from inherited and consequently may be made good or defects, generally fail in transmitting their good qualities.-Stock Journal. bad according to the education they receive.

Horses with dull spirits are not by any means proof against bad management. at home than to encourage them in their for in them may often be found the work. In the first place never he to them most provoking obstinacy; vicious if you want them to work faithfully habits of different characters that render them almost entirely worthless. Could the coming generations of horses of this sum occasionally. Give them a piece of country be kept from their days of colt- hand to work and raise what they see it. hood to the age of five years in the hands. of good, careful managers, there would be seen a vast difference in the general character of the noble animal.

If a colt is never allowed to get an adsesses a power that man cannot control. and if made familiar with strange obattention to the giving out of a harness or of a wagon running against him at morning and say, boys, come, we must an unexpected moment.

hight-spirited horse, attached to a car- they fail to do as you wish, take hold of riage, down a steep hill and with no the plow or cultivator, whichever it may hold-back straps upon the harness, and be, and show them they will seen see she assured us that there was no danger. how they can do better work with more for her son accustomed his horses to all ease. Give each boy his share of chores kinds of usages and sights that com- to do. Divide them off according to monly drive the animal into a frenzy of their size and age and see that each one fear and excitement.

A gun can be first from the back of a horse, an umbrella held over his head, a night and other in the morning. When buffalo robe thrown upon his neck, a a child disobeys and needs punishing railroad engine pass close by, his heels take it to one side and talk candidly to bumped with sticks, and the animal take | it and tell why you have to punish it it all as of a natural condition of things, if only taught by careful management, that he will not be injured thereby. There is a great need of improvement the letter, they will soon have confidence in the management of this useful animal; less beating wanted and more of education -Farmer and Tribune.

Feeding Calves.

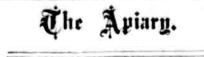
Mr. E. Burnett, of Massachusetts, an experienced dairyman, said at the Vermont dairymen's meeting, the difference between feeding calves three times a day might seem a small matter; yet in his experience, it frequently made the dif- he will double pay you when you are in with their dams take their food at short intervals, and therefore little at a time ; or, even if they take it from the cow twice a day, they are much longer in getting their fill, and get it at the right temperature and in a more natural way. a few moments, no wonder it has indithrough, when treateed in this way. A letter plan, which Mr. Burnett suggestel, and which has been tried by them. others with good results, is to feed the cali three times per day, giving only the same milk that would be fed in the other way, and never to over-feed. Excessive feeding after a long fast has a very injurious effect on all animals, and especially young ones, and, if it does not kill them outright, will weaken their digestion and do them permanent injury. Let those who have had trouble with their calves try this way of feeding three lected, it is spaded up deeply, heavily time after her departure; pollen and times, and take pains to have the milk at the right temperature, and never overfeed. Prolably many calves that die suddenly, and, as is supposed, of unknown causes, are the victims of injudicious over-feeding. The stomach be-comes so distended that it cannot act, the food sours, and poisonous gas is formed, and the animal dies in a few formed, and is harrowed, the base will make the base of the base hours.

good cows from the first calves of beilers from good milking stock as from any other, but as a rule, our best success has been with those from cows just after reaching their prime. At this period in a cow's life she is the most vigorous, and Swarming Propensity of Bees---Singular Horses can be educated to the extent this is an essential point in the trans most certain to succeed by promoting

How to Keep the Boys on the Farm

I find no better way to keep the boys encourage them by paying them a small Give them plenty of time to attend it and keep it clean : let them have a team clustered on the "reach" of a farmer's to work when necessary. Have them raise something nice to take to the fair: vantage it will never know that it post go with them and see that they get it ground. One was taken from the Solentered right. Unless you are sick don't diers' Monument and several from the jects, it will not be skittish and nervous, sit around and send the boy to the field, public square. If a horse is made accustomed from his day in and day out, to work alone. Go early days, to have objects hit him on ahead; there is nothing more encouragthe heels, back and hips, he will pay noting than for a parent to start in the thom. I laughed when I saw them for

do so and so to-day. Be kind to them We once saw an aged lady drive a and they will work with pleasure. If does what is allotted to him, so as not to have any dispute which shall do this toabove all things never strike a child when you are angry. If you promise a child anything fulfill your promise to in you; if they loose your confidence it is a hard task to gain it again Take them as it were partners, use the little word we, it will cost you nothing and they will soon think the farm would go to ruin if they were to leave it. Give them a pig or calf to raise, when it is old enough to sell, let him sell it and recive the money. Go to the store with him and assist him in selecting a suit of clothes; if he hasn't enough money to buy such as he wants, give him some. then he feels proud to tell his com-panions what he has bought with his money. Encourage him to select the best of associates, tell him the disadvantage in selecting bad company, how



Freaks--Changing Queens---Becs with Trembles.

There is a great difference in bees with reference to swarming. Although stranger that insects of the same class of brood given from another hive. Per should differ in minor points. Many haps in examining your hives you have apiaries are infested with a swarming found plenty of drones and drone brood mania, and the bees keep pouring out of the hives continually, much to the this instance. The workers are females disgust of their ewners. The only way and seem to have no power of produc-

queens bred from mothers whose progenv are not so inclined.

bees, but an inclined to think they laid. swarm much more than Italians. There be in a hive at a time. You can tell have been many runnway black swarms their presence by the manner in which in this city of late, and the policemenand firemen are gotting quite expert in catching them. Last week a swarm wagon in one of the busiest streets. Horses were attached to the whicle, and the cluster was so large it touched the

A neighbor came in the other day and said he wished I would take a swarm from his premises, for he was afraid of all of them could have been put in a pint measure. They looked like a black bassel hanging from a limb. I placed them in a small hive, such as queens are shipped in, with two frames about four inches square. It was a regular solony and the next merning I introduced an Italian queen, in place of the black one. I do not want bees that will swarm five or six times and leave the old hive with less than a corporal's guard. When they leave a hive so desolate as this the accommodating moths move in and take possession, gathering up the fragments, that nothing be lost It is well to introduce a little new blood into the apiary occasionally, but not such as this runaway stock that swarms to excess.

A queen that "sticks to her knitting" and does not drop any stitches, is a good investment. She fills the cells regularly with eggs, skipping none, and her progeny are good honey gatherers, work ing early and late. It is often the case that one colony collects more honey than another of apparently the same size. An old man in Germany was accused of witchcraft, because his bees gathered more honey than his neighbors' in the village where they lived. The number of colonies that each one should keep was regulated by law. At the close of ference between a live calf and a dead a hurry to get a piece of work done, and had double the honey of his neighbors the honey harvest, this old man's bees and he called them together, and showed them that the sun shone upon his hives one hour earlier, and his bees had gathered the morning's supply, before theirs were astir.

they will lead him to ruin. Keep a supply of good moral papers to read, if strangely affected : have the "tremens." I have a colony of bees that are When they are fed from the pail, they he gets to reading good papers while take it very fast, and very little saliva is young he is more liable to like them mixed with it to prepare it for digestion. When older, Play games with the others drive them out of the hive. This others drive them out of the hive. This colony was quite strong in the spring. much honey. I will give them a young. vigorous queen, and see if that does not sure them of the "shakes." Prairie Farmer.

all after swarming be abandoned, the hatched queen will destroy all the others, and in three days will meet the drone. Should she be lost on this occasion, there can be no other one raised, since they surplus boxes. Bee hives of the most approv-must be produced from the egg or larvae ed atyle-with both broad and narrow frames no older than three or four days. As the old queen left the hive nearly two weeks previous, there would be no eggs or larva of the proper age.

The apiarian should be prompt and there are no strains known to be non-swarming, yet some are more given to it is a dwindling away accertain the cause. If there state size of sheet, and whether heavy or light is required. Price sent upon applica-tion. E Y. CHASE, Salem, Or. are said to be non-sitters, and it is no proof will be necessary; if not, a queen but no signs of young workers. There is a certain phenomenon connected with to cure this propensity is to introduce ing eggs. Nevertheless, on the loss of their mother, some of them have their structure changed, and will lay eggs-These eggs will only produce drones, no I have had little experience with black matter in what kind of cells they are

they lay their eggs. The eggs of a queen of the cells, and only one egg is found in a cell at a time. Not so with the worker. I have found as high as seven eggs in a single cell, attached in various ways. It would be useless now to give them, a queen or queen cells the bees would not have it so, and the "layers" would destroy either. The remedy is to carry the hive some distance from the stand, remove the frames, one at a time. and brush away all bees. Have a box at the stand to eat h them. When they are treated thus. the worker-layers, not being out of the have for so long, are You may new introduce a quisen 1.845 by taking a wine age without top, press the edges of it into the could over some honey, so the queen may have food The bees will cut under the vage and liberate her. Queens may be introduced by dropping honey on them and putting them in the hives. The bass will forget the strangers and go to licking the honey - Even E Edwards in Cincinnati Commercial Gazette.

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Raise the Good Calves.

is better to raise those which come in bed the clumps separated and the best March than later, though they may be plants selected. These are set about successfully raised at any season of the four inches apart in the rows, firmly set, year. In dairies where cows habitually come in in the spring, heifer calves dropped in March are much more likely to exceed three or four acres in extent; the be ready to enter the dairy at a timely plants tiller out in many stalks, and the mature in about sixteen to twenty days. date in the spring, when they are two-straw is short and stout, and never year olds, than are calves dropped later lodges. in the season. Early ealves, too, get a good start before the following winter fond of a joke, and sometimes had the

more heiler calves than are actually ny, my lord, for the great seal," was the needed, that, after weeding out those ready repartee. that do not prove first-class, there may be enough worth keeping to fill up the

The intervals between feeds are fre-children when you have leisure, nothing quently fourteen hours, and if the calf will please them better than to win a but have neither swarmed nor gathered gets a large quantity of milk not at the game with their parents, it may not be right temperature, and swallowing it in amusing to you but it helps them make home the pleasantest place they can find. gestion or some other trouble. The When home is pleasant they are loath only wonder is that so many live to leave it. The most children think what father and mother do is right, so be careful what examples you set before

Wheat in Belgium

carefully picked seed. This forms the seed-bed for the purpose of being set out, like cabbage or tobacco plants, next manured, then plowed and again harrowed, until it is level and smooth. It is then marked out in rows ten inches When spring calves are to be raised, it apart and is ready for planting. The wheat plants are dog up from the seedand the ground about them left smooth project at an angle of about 45 degrees. and compact. In this way very heavy crops are produced. The fields seldom

Lord Campbell, it is well known, was well, therefore, where milking stock is needed to replenish the depletion of the herd by age and accident, to raise a few ting as fat as a porpoise." "Fit compa-

Ayer's Hair Vigor is a safe, agreeable and vacant places. In our own experience it has always paid to look well to the antecedents of the calves to be raised for milkers. We have sometimes had as for milkers. We have sometimes had as ural in color, lustre, and texture.

The Loss of Queens

The queen is the mother of the colony Her only duty seems to be to produce eggs, of which she will often lay twenty To begin with, the seed is carefully thousand in a day. The title "king" is picked by hand, only the best grains are erroneously applied to her, when the selected, and all seeds of woods are, of drone is meant. Her age waries, but course, thrown aside. Next a seed-bed she lives about three years. Although is prepared; this is done in the fall; the destiny of a colony depends upon a few square rods of ground being se- her presence, yet one will thrive some manured, raked finely on the surface honey will be gathered as before; but and sown thickly, broadcast, with the there will be a dwindling away and absence of stimulus. If a queen is lost at the beginning of winter, the colony spring. The field to be set is deeply will probably last until the next July. plowed in the fall and left rough for the Losses may occur at any time, and if the bees will replace them themselves, unless they occur when all after-swarming is given up.

> When honey is abundant and the hive full of bees there will be a number of royal cells started. These are usually built near the edges of the comb, and They are half an inch in diameter and an inch or more in length. The queens Within nine days of maturity the roy al cells are capped over and the old

queen leads out the first swarm. From eight to nine days, there are exceptions sets in, which is always the most trying tables turned upon himself. A few to this rule, sometimes as late as fifteen time in the period of calf-hood. It is days before his death he met a barrister days-a young queen will come out. If you will go to your hive about this time (morning is best) you will hear her "piping." Owing to her cramped position she makes a louder noise than her sisters, who are kept in their cells by the DOSS.

> The piping of the queen is of much importance to the bee-keeper. If you hear one of a morning, and the season is good, you may invariably expect a swarm that day or the next. But should | ones a



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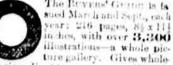
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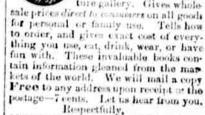
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