

SUMMER BUTTER.

SATSFACTORY RESULTS ON THE FARM WITH THE SIMPLIEST FACILITIES.

The reader who has "no facilities except crocks, pans, good collar, swing churn and cool water" certainly has little else to wish for, providing he has a good butter making herd of cows, says Fanny Love in the National Stockman. We have always, until the past 18 months, made our butter in a very old milkhouse where there was a constant and abundant flow of fresh water. Our experience for the past few months has been under similar circumstances, and we find it possible



WEEDING TOOLS.

and a labor saver, as it enables the operator to stand erect and still do his work with care. Take a 25 inch strip of iron hoop from an old barrel, grind and file one edge sharp, bend into a triangular shape and between open ends of triangle insert the end of a handle of suitable length, securing the triangle firmly on the handle at the angle desired by using a wedge or small bolts. When properly made, the triangle will have 6 inch sides and 3/4 inches of each end of hoop will be left to fasten on the handles. Make the angle of triangle to suit your preference.

The tool shown by B is made by using a piece of an old saw blade or other piece of steel often found at hand eight inches long, tapering from 1/4 inches wide at one end to one inch at the other. A couple of small bolts are made near the narrow end and the wide end is at right angles to narrow end or about pitch of a hoe. A 3 foot handle is used, the end being ripped with teeth, and the narrow end of wedge, which is held secure by being riveted and a ring or ferrule slipped on the handle. File the wedge sharp on the end and sides, says an Ohio Farmer correspondent who describes these devices.

Planting Broom Corn.

Any good corn ground will do for it. Prepare as for other corn. After the first of June mark the ground very light, make small marks and plant and cover as fast as the marks are made, or, if possible, before the furrow becomes dry. Prepare the seed by rubbing it with a buck on the bare foot to separate the feet between the rows, and water to cover it. Next day pour off the water and agitate. Plant as soon as the seed begins to crack. If some are sprouted, it's none the worse. If planting the tall varieties, you will plant four feet between the rows, medium less, and for the dwarf three feet is enough. On good ground five or six seeds to the foot will not be too much. There will be no need of hand weeding—Orange Judd Farmer.

washing Him Away.

The other day an amateur nurse in South Africa was in a doctor and asked him what she should do. "You should have learnt that before you came here," the doctor replied. "Do anything that wants doing."

The nurse went up to a handsome but wounded Highlander, and said: "Would this soldier please be washed?" The Highlander turned and answered: "Yes, but hurry up. I've had my face washed six times since breakfast, and there's two more to go. I've promised to wash him." But I hope to get a snooze before then."

PERSONALS.

The salary of Count Waldereise in China will not exceed 2000 marks (\$500 a month, but he will have 10,000 marks besides for expenses.)

Of all the line and staff generals in the United States Army at present only two, Ludlow and J. M. Wilson, are graduates of West Point. The writer forgot some of the steps in the process of breaking in, but his dumb pupil does not. That is startlingly seen when a raw and willing animal emerges out of family or peculiar hands.

WHAT STALLIONS NEED.

Feed and Care Which Secure the Best Results.

Plenty of feed, and that of the right sort, is one of the chief things to be taken into consideration in keeping a stallion fit for service, says The Western Horseman. Exercise naturally suggests itself to every mind, though many owners do not attend to this matter as they should. The writer believes in feeding a stallion four times a day during the breeding season and as great a change of feed as can well be given him. No stallion should perform service immediately after eating a hearty ration of grain and hay. Many a good horse has been killed by not paying proper attention to this one important fact, while others have been made dangerously ill. Give the first feed at 5 o'clock in the morning, if possible, and then the horse will be ready for his job or for service by 7 o'clock. The other feeds should be given at regular intervals during the day, the evening ration of grain to be accompanied by a liberal feed of hay. A stallion doing stud duty should be given soft feed once a day at least and twice a day if he does not incur while being exercised. In western Kansas the writer has observed that quite a number of stallion owners feed crushed barley once or twice a day. If more than once a day, they combine with this excellent grain a portion of crushed oats. Western Kansas and similar portions of Nebraska are especially suited to growing barley, and horse owners in those sections should take advantage of this fact. If barley is not to be had, bran is a very suitable food product to combine with the oats. A stallion cannot do himself justice if he is not a good feeder or is not given an opportunity of satisfying his appetite. Dry corn, poor hay and indifferent care will not put a stallion in shape to do himself justice in the stud. A most excellent diet for the stallion is a good one of the horses drinking of water before retiring for the night, say at 9 o'clock. To a stallion serving two mares each day the evening drink is very acceptable and we believe, is especially necessary. While an aged stallion may serve two mares each day, with an occasional day when three mares are served, one day is enough for a 3-year-old, while one a week is sufficient for a 2-year-old that is not a real thrifty, rugged colt.

WAYS OF MILKING.

THE BEST COWS ARE THE MOST AFFECTED BY TREATMENT.

It is impossible to attach too much importance to methods of milking. The treatment given highly bred cows affects both the quantity and quality of milk. A correspondent of Hoard's Dairyman submits the accompanying illustration of one way of milking, which he photographed from life. He states that many of the southern people



ONE WAY OF MILKING.

ple milk only once a day, right after breakfast. If the cow is very gentle, they may drop on one knee or sit on the ground, but in the position shown in the picture. In speaking of the treatment of milk cows The American Cultivator says that when the milk of one cow is tested every time she is milked, there will usually be found a considerable variation between her best and her poorest production, due probably to her physical condition and perhaps to circumstances not under the control of her owner. A fright or excitement of any kind or any trouble with her digestive organs may reduce the amount of milk given or the amount of butter fat in it, more usually the latter, but often both. The only true test, then, is a record made for a week or longer at each milking. This record will usually in its average show very nearly the normal production unless she is for the entire time suffering from disease or some other cause. Even the results of testing an entire herd are not absolutely conclusive, for from one or two tests it would be impossible to equalize matters such as eliminating difficulties that might occur to one cow, there may be conditions that would affect the entire herd. The presence and worrying of one cow in a herd, a fright from a strange dog or other animal, a thunder shower or a cold wind may affect all of them unfavorably, and as a usual result the best cows will be the most disturbed, because they are the ones of the most nervous temperament. We do not want cow, horse or man to be nervous—not in the sense of weak nerves, but rather of strong nerves, that will enable them to perform extraordinary feats under strong excitement. The powers of a wooden man or a wooden animal are limited, but a live one can be expected to vary in ability as the conditions that surround it are varied.

LOSS OF INSTINCT.

Highly Bred Animals Lose Their Natural Characteristics.

It is admitted by every one that our principal domesticated animals have gained very greatly in brain power owing to man's training and companionship, says a correspondent of the London Live Stock Journal. One source it is possible to exaggerate the degrees of mental advance made by horses, cattle and dogs, for instance. We may make too much of acts performed in obedience to our orders or under our guidance. In other words, we may temporarily forget or fail to notice that unthinking repetition of laboriously acquired rudiments sometimes bears a very close resemblance to spontaneous acts of intelligence. "A memory like that of a horse" has passed into an agricultural proverb. The trainer must forget some of the steps in the process of breaking in, but his dumb pupil does not. That is startlingly seen when a raw and willing animal emerges out of family or peculiar hands.

Spring Pigs.

The hog that is grown "between two winters" will cost less and be more profitable than one kept from the fall to the winter of the next year. The spring pig should be of just the right weight to bring the highest price in November or Christmas, and it will require less attention than one kept through the winter. It is not now necessary to have pigs excessively fat, though weight is an important factor.

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Swine Pastures.

Where clover will grow readily the best swine pastures include clover, rape and rye, says Professor Thomas

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Mule Trade.

There has been a sensational expansion in the volume of exports of American mules. For January, 1900, there were exported 5,576 mules, against 524 head in January last year. The export of mules for the seven months ended January, 1900, compares a total of 22,504 head, against 4,534 mules for the corresponding period in 1899. The former value at \$3.42 per head, the latter at \$4.31 per head. Evidently the war was of advantage to the horse and the mule trader, and the end of the war will not end all, because the whole horse and mule supply is reaching a new point, and it will take a number of years to catch up with the demand.

Live Stock Census.

It is evident that the present census of live stock is to be the most complete ever taken in this country, embracing not only animals on farms and ranches, but those in cities and towns and animals of pure blood.

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There have been placed upon the market several cheap copies of an abridged edition of Webster's Dictionary. They are being offered under various names at a low price. By dry goods dealer, grocers, agents, etc., and in a few instances as a premium for ordering Announcements of those competitors.

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