Saving Land by Soiling.

F. J. O., Whitney's Point, N Y, wants definite information upon soling as an economy of land, as he has a family with many wants, and only fifty acres of deep, gravelly loam well adapted to corn, clover, rys, etc., from which to supply their wants. Mr. C. should take courage with such a farm, for when managed fully upon the suling system, after a

Mr. C. should take courage with such a farm, for when managed fully upon the sulug system, after a few years preparation, it will be larger than any of his neighbors' who count one hundred acres, with two-thirds of it in pasture, as is the custom of most stock keepers. We would not advise him to go into full solding at once, for few farms are in condition to do this. But with such land as he mentions, well manared, let him put in one acre of winter rye, sown thickly, to every five head of cattle and hoises, the first of September, that it may get well rooted before frost, and if the growth is too large, pasture it some in the fall. Thus will give a cutting early in May, another in June, and probably another in August, if care is taken not to allow it to head. Then, as early as may be in spring, sow one acre of oats to every ten head, and twenty days later, the same amount. Begin to cut the oats when they first head, and you will finish when in the milk. As early as the climate will permit, sow one acre of common yellow corn to overy ten head, and follow this ten days later with the same amount of Western corn. Bu sof cut any till in tassel unless necessity requires it.

Here you have three-mins of an acre per head norge, cast and com, which will be quite sufficient with a small amonat of practice. This programme may be used during the change from pasturing to full soiling. It takes two or three years to fully establish orchard grass. That should be sown in the fall, according to most experiments with it. Sow next apring one-quarter acre of clover to each head to be soiled, but let one-half be medium clover and the other half large clover. The soiling greand should be near the barn, that it need not be carried far. When the crops are all properly arranged on well-manured land, one-half acre will feed eight conclude the three contracts.

How the Cattle Rub!

At this series of this year in the open yards, aneven in the stalls, especially where the animals are not brushed over daily, where the feeding is indifferent in quantity and nutritiveness, and where barley straw is used for folder, or even for litter, animals are too often seen restlessly rubbing. Gates, posts, and partitions are broken, put out of plumb, or knocked down; and what is equally bad, itching animals cannot rest and thrive as they should do. The alightest indication of vermin, the disposition to rub usually about the tail or neck, should prompt an axamination and, if need be, a dressing. It is senacless to wait until the unfortunate wretch has removed the han from his own skin and spread his tormentors amongst his fellows. The pediculi or lice, of which almost every animal has its own particular species, are not difficult to kill. A good scrubbing with soft soap animal has its own particular species, are not difficult to kill. A good scrubbing with soft soap animals has its own particular species, are not difficult to kill. A good scrubbing with soft soap animals has its own particular appears, are not difficult to kill. A good scrubbing with soft soap animals have been much on the vernin, an ounce to the pint of water being generally used. Where animals have been much intested, a second dressing should take place about a week after the first, and brushing, cleanliness, and usually a more liberal dietary also enjoyed.—N. B. Agriculturist.

Self-milking Cows.

It seems entirely impossible to break some cows off this habit, hence many persons have come to the conclusion, after repeated experiments, that it is best to put the cow into a beef barrel. It is generally true that self-milkers are very large milkers, and if this is the case, it will pay to try and break up the habit. Oftentines the habit is formed in consequence of ir regular milking. The udder becomes so full as to be sainful, and the cow, in en-leavoring to get relieficies her bag. By chance she gets hold of a teat, finds relief by drawing the milk, and then fall to repeating it every day.

The following method of treating a self-sucking to the milk is made resonance and the treatment of this maner some years ago:

The following method of treating a self-sucking of the usual size full of tepid water, into which about cow was communicated to this paper some years ago: a quart of meal is stirred. She swallows two pailful but a strap around her neck and another around her warm drink morning, noon, and evening as quickly body about midway. Take a stout stick about the size of a hoe handle, and long enough to reach from now four weeks old, and the milk of two teats is all it can force down. The other two I milk, and such fore legs and fasten it to both atraps. It will be impossible for her to suck with it on .—Prairie Farmer.

Soiling Crops.

J. R. Y. asks about crops for soiling. He intended to sow a patch of rye early in the fall for early spring feed, and another late in the fall for late spring feed (one acre in all), and then to plant two acres of drilled corn for fodder; and wants to know how many cows he can keep from time of first feeding rye to end of corn feeding. The arrangement is not a good one. Probably the late and the early sown rye will shoot at the same time in the spring, the chief difference being that the early sown will make the heavier growth. Bye is only useful for a very early feed. As soon as it blooms it imparts a had taste to butter, and the straw early gets too hard to be reliabed by cattle.

A better arrangement would be one-half acre early sown rye, one-half acre early sown oats, two acrescors, planting at four different times from May 15th to July 1st in plots of one-half acre each.

to any lat in plots of one-half acre each.

"The cattle having the range of six or eight acres of moderate pasture," the soiling crops should suffice for the supplementary food of from eight to twelve cows, according to how "moderate" the pasture is, and how good the land growing the soiling crops ... American Ayriculturist.

Raising Calves at an Agricultural College.

The London Milk Journal tells how stock is raised at Hohenheim. The rules laid down at this great agreatultural college are, that it is best to rear calves entirely by hand, so as to have less trouble with both cow and offspring; said the quality and amount of food must be regulated as follows:

let week,	daily,	12 16.	milk,	• lb	catmeal,	• 17·	. Ane bey
24 ''		16		•	44	٨	**
31 ··	•	20	•		**	ě	**
415 **	**	12	•	ě	-	ě	*
5th to 7th	*	22	~	11	*	4	~
ath week	**	73	**	4	-	Į.	**
sih "	•		•	1	. •	I	**
10th **	**	16-	••	2	**		₩
lith "	••	12	•	2	*		••
12th "	••	•	••	Ż	**	34	**

In the ninth week the milk is first mixed with water and a little fine oatmest. The meal is afterwards mixed with dry fodder. After three months the milk is withheld, and then the young animal receive daily, till two and a half years old, from twenty to twenty-two pounds of hay or its equivalent. But the calves rever after receive, even in summer, any dry food till they are nine months old. The average feeding is so divided that the younger portion receive less, the older more, till two and a half years, when they begin to receive the regular rations of the older cattle, including the regular grain fodder, as indicated above. The growth with this treatment is so emarkable that it is only a little surpassed by the rapidly-maturing Short-horns.

Average	weight o	f calves a	t 3 month	Fleiftern 232 lbs.	354 lbs
11	**	••	• "	351 "	472 "
**	••	••	1 year	610 "	726 **
**	**	**	2	1.164 "	1.300 "
Daily in	crease of	calves		1.5	18
₩.	**	" in	2d year	3 4	. 15

The college, whose management of young stock is given above by the Milk Journal, was established in 1818 by King William, on the Roville estate in Pohenheim Wurtemburg.

How to Keep a Cow.

At a recent meeting of the N. F. Farmers' Club, Mr. Todd related his experience as follows:—I have a thousand dollar cow which I feed and milk with my own hands every day. She is a cross between the Shorthorn and the Dutham. About 7 o'clock in the morning she is fed with as much cut hay and cut corning she is fed with as much cut hay and cut corning she is fed with as much cut hay and cut corning she is fed with as much cut hay and cut corning she is fed with as much cut hay and cut corning she is fed with a basket that will hold one and one-fourth bushels. This feed is moistened by pouring over it about one gallon of water, boiling hot. Three quarters of wheat midlings are then mingled with the mass, and when it is given to the cow it is all fragrant and smoking. She likes such warm feed. She is supplied daily three times, as regularly as the time is measured by the clock, with a basket of such cut feed and meal. At noon, also, she gets a peck of turnips. Between meals she has access to about a pound or two of hay. As soon as the cut feed is eaten, she gets two water pails of the usual size full of tepid water, into which about a quart of meal is stirred. She swallows two pailfuls of warm drink morning, noon, and evening as quickly as one will drink a cup of superb coffee. Her calf is now four weeks old, and the milk of two teats is all it can force down. The other two I milk, and such yellow cream and gilt-edge butter is not feel and man. N. W. Times

What our Farm Stock Est.

It is calculated from an old table of close experiments, that the quantity of feed to keep stock in good condition in the winter is three pounds of good timothy, or clover hay each day for every 100 lbs. of annual. That is, thirty pounds of hay for a cow, or horse weighing ten hundred pounds.

100 lbs.	of hav	na equal to	45 lbs. wheat,
**	• • •	44	54 lbs. barley.
**	**	**	59 lbs. oats.
••	44	44	54 lbs. rye.
ee -	**	**	57 lbs corn.
**	**	••	69 lbs. lineced cake.
**	**	**	274 lbs, wheat straw.
	**	**	195 lbs. oat straw.
**	**	44	276 lbs. carrots.
**	**	44	501 lbs. cow turnips.
*1	**	**	350 lbs. swede de
64	44	••	239 lbs. beets.

Corn folder out and scentred before frosted, is desirable for any kind of stock, and one acre will give as such substance as a ton of hay. The quantity of corn fodder left on the field frozen and bleached, troil into the mud, rud covered with ice and snow, for an animal to wade around in, to satisfy the cravings of an empty stomach, and to plump out its poverty, pinched up ribs, has not been calculated.

The last manner of feeding stock operates book when several farmers of this stamp live in the same

The last manner of feeding stock operates book when several farmers of this stamp live in the same neighborhood, so that they can have a mutual associety, and pass around each morning to help tail up the cattle.—L.R. in Furners Union.

HEAVY STEERS.—I send herewith the weight of two yearling atters of my breeding and raising; weighed this day after travelling 2 miles:

Total of both 2,670 lbs.

IN PATERING animals, the great aim of the feeder is to induce them to cat all they can digest and assimulate. How this can best be done depends on circumstances. Change of food will sometimes be attended with advantage and sometimes not. There is one general rule that should be borne in mind: When the inimal is hungry, in the morning, feed the less palarable food, such as straw or stalks, and when the animal has eaten as much as it will then tempt it to lat more by giving cut straw or stalks moistened or mixed with bran and meal. The food left in the mangers may be sprinkled with salt and water and put in racks in the yard, and when the wows are turned out to water they will be likely to eat it up clean.

SREET are specially fond of clover hay. They will keep in good condition on this alone. But when straw is fed grain should be given in addition, say one pound each par day. We are now feeding our sheep (Cotwolds) twice a day, chaffed out and peas straw, all they will eat, § 1b. bran, and § 1b. oats or peas, and 15 bushels of sliced mangels to 100 sheep. We feed mangels only once a day, at noon. We never! ad them do better. Mermos of course, being so much smaller, require less food.

When to feed will depend a good deal on circumstances. Horses and cows should be fed early in the morning, say six o'clock. Sheep need not be fed until after breakfast, say seven or eight o'clock, and then again at four o'clock in the afternoon. They do not like to eat in the dark, unless it is a little in the middle of the night.

Swine, owing to low prices, have been much neglected. It is a good time to engage in raising improved breeds of pigs. The demand is now good, and is likely to be still better. Pork has advanced rapidly, and the prospects are favorable for a still further advance. Get a good breed, and give good care and feed, and pigs will be as profitable as any stock we can raise. —Am. Agriculturist.

Value of Corn for Hogs.—A writer in the Cincinnati Gazette, gives the following account of the increased profit of feeding corn on the farm to awine, metcad of selling the grain in market. His experience is as follows. In August, 1872, I bought thirty-seven head of hogs at four dollars per cwt., the average weight being 126 pounds. Cost of the lot, \$186,48. On Dec. 10, when I sold them, the average weight was 270 lbs., or a gain of 144 lbs. per head. They are twelve bushels of corn apiece. This, at twenty-five cents per bushel, would be three dollars. The total cost of the hogs, when fattened, was, therefore, \$267,48. I sold them at four dollars per cwt., amounting to \$329,60. Balance in favor of feeding, \$101,12. By feeding my corn, it brought me nearly forty-eight cents per bushel.