

QUALITIES OF BROWN SWISS

Not the Least Pleasant Feature In Connection With Breed Is Unusual Freedom From Disease.

We are milking in our dairy about 120 cows, about 75 per cent. of which are full blood or grade Swiss cows, as from our experience we have found them more persistent milkers than other breeds and they keep in better condition on the same feed, and, all around, are the most satisfactory cows we have been able to obtain. The herd average of milk is 4.2 per cent. Of course, we have found what we considered unprofitable cows



Brown Swiss Cow

among the Swiss cattle, but by judi clous weeding have attained a standard of excellence of which we are proud, says a writer in an exchange.

Not the least pleasant feature in connection with the breed is its freedom from disease. All the cows in our herd are subjected to tuberculin test before being introduced into it and are annually tested after becoming a part of it.

It is a remarkable fact that while ten per cent, of all the common cows that we have intended to put in our herd since we commenced testing have reacted, not two per cent. of the Swiss grades and full bloods have reacted.

As a farmers' cattle I think the Brown Swiss cattle are unexcelled; as a cattle to grade up native cows they are most prepotent; and I am satisfied that their more general introduction among the common herds of the country will certainly help to improve materially the quality of the dairs

KNELL OF OLD STYLE PAIL

Farmers Who Apply Intelligence and Scientific Methods to Their Ventures Prove Merit.

A wonderful system of ventilation has been devised for dairies, and its general adoption by all farmers who apply intelligence and scientific methods to their ventures proves its merit. But pure air alone is not sufficient for the cow barn. No dust must be permitted to accumulate, the barns should be kept in perfect sanitary form, and the animal must be subjected to frequent cleaning operations. Scientists have sounded the knell of the old-fashioned milk pail with its flaring edges. The small-topped pail is in favor. It offers less of an opening for bacteria that may fall into the milk during the process of milking.

Some bacteria invariably are found in milk. The laboratory shows, however, that these germs are beneficial rather than injurious to the human consumers. But the presence of bacteria directly traceable to filth and insanitary conditions is at once a source of danger and a signal for medical warfare on the undesirable dairy.

"Keep the cow stable as neat and as clean as the kitchen," is the slogan of the most progressive dalrymen. They are in the ascendancy. The careless, old-fashioned dairyman sees plainly the handwriting on the wall.

Whitewash for Cow Stable.

In preparing whitewash for the walls, cellings, posts of the cow barn, etc., it is best to add some antiseptic. Slack the fresh stone lime by adding water gradually and stirring it until is is a smooth, thick creamy body. Add a pint of crude carbolic acid for every ten gallons. If it is to be put on by hand, it needs only a little more thinning with water. But if it is to be applied by a spray pump, much more water is needed, and the wash must be strained through a cloth. The whitewashing should be done when the cows are not in the room. The doors and windows should be open to allow rapid drying. Ordinarily, it is not necessary to do the whitewashing oftener than every six weeks through the winter season, but let the fall application be done and very thoroughly.

Buying a Dairy Cow.

It is a mistake to buy a cow for the dairy herd solely on the recommendation that she is an "easy keeper." meaning, of course, that she will consume but little feed. The only cow worth having in the dairy herd is one that has the room and ability to change a large amount of feed into butter fat, the more the better.

Tuberculosis Bacilli in Butter. Butter which was made from tuberculous milk has been known to infect guinea pigs from 10 to 20 days after the date of its manufacture.

IMPORTANCE OF COW TESTING

Careful Study of Records of Herds in Test Indicate That Silage Is Very Essential.

The Bureau of Animal Industry of

the Department of Agriculture has

wo men specially engaged in giving assistance to state officials in organizing and conducting cow-testing associations. During the last fiscal year 33 new associations were formed and seven were discontinued. There are now \$1 such associations in this country, the greater number of which the dairy division has been instrumental in organizing. These \$1 associations comprise about 40,000 cows. An official of the dairy division in talking of the work in this direction, showed a record of two herds in one of the associations as an interesting example of what is being accomplished in enabling farmers to keep records of cost, production, etc., and to detect and remedy any shortcomings. In herd No. 1, 9,207 pounds of milk were produced at a cost of \$51.04 for feed. while in herd No. 2, 5,482 pounds of milk wer produced at a cost for feed of \$55.21. The former made a profit of \$76.22 per cow, while the other made a profit of only \$8.65 per cow. The more profitable herd was fed an abundance of silage, while to the other no silage was fed. This, of course, is not the only reason for the difference; however, a careful study of the records of these herds indicated that silage is very essential. The owner of the unprofitable herd has been living next to a man who had a silo for a number of years, yet he did not realize its usefulness until he saw these figures, after which he built a silo at

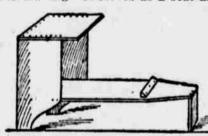
HOME-MADE MILKING STOOLS

Two Handy Devices Shown in Illustrations Will Prove of Satisfaction to the Milker.

FROM THE WISCONSIN AGRICUL-TURIST.)

We illustrate two types of milking stool, both of which will give satisfaction to the milker.

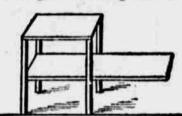
The stool shown in the upper picture is the kind used by Mr. G. H. Smith of La Farge, Wis., who sent in the drawing. It serves as a seat and



Smith's Milk Stool.

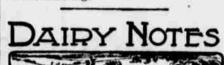
solid shelf for the pail. This stool has a leg or support at the outer end of the milk pail shelf.

The stool in the lower picture is the kind used by the editor of the Agriculturist for years. We had several of these stools and found them most convenient and comfortable. We gave them a good scrubbing once a week,



Comfortable Milk Stool.

and when not in use they were hung up in the stable. The space under the seat was used to hold a damp cloth which was used on each cow's udder before miking.



The way to absolutely know what a cow is doing is to weigh and test. The feed and feeding is the first

important point in successful dairying. The helfer calf is a cow in the making. Handle and feed her accordingly.

Remember that the cold rain is harder for the cow to stand than dry cold weather.

The last two years have emphasized strongly the importance of summer silage. Care should be taken that the cow

does not have to wade through filth in the barnyard. To obtain a maximum supply of milk, small pastures, allowing fre-

vided. A cow testing association should consist of 25 or 26 herds, containing not less than 400 cows and better 500

quent changes of feed, should be pro-

From being a winter feed for dairy cows silage is coming to be an allyear-round feed for all kinds of

The best dairy cow is the one that will convert the forage raised on the farm into the greatest amount of butter fat.

That cows like a change of feed is shown by the way they will eat rotten hay, pull out old straw from the sheds, etc. When cows are running on pasture

the manure is not lost, for grass lands need the fertilizer quite as much as some other fields. In selecting dairy cattle it is always difficult to judge accurately with the

eye. The real test must be the weigh scales and the Babcock tester. When filth gets into milk or cream there are innumerable germs introduced, which if left to develop, at proper temperature multiply very rap

(By E. O. SELLERS, Director of Even-ing Department, The Moody Bible In-etitute of Chicago.)

LESSON FOR JUNE 16.

CHRIST'S WITNESS TO JOHN THE BAPTIST.

LESSON TEXT-Matt. 11:2-19.
GOLDEN TEXT-"Among them that are born of women there is none greater than John; yet he that is little in the kingdom of God is greater than he."— Luke 7:28.

This is the last lesson with the exception of one that we are to have upon the character of John the Baptist. Following the imprisonment of John by Herod, Jesus, for diplomatic reasons, made Capernaum his headquarters, and it was in Galilee that his great popular ministry was performed. Meanwhile John is shut up in the fort ress at Machaerus, on the east side of the Dead sea. For one who had been so intensely active to be obliged to sit idly by and wait while another's name and fame increases daily was a severe test of faith. His prototype, Elijah, had to meet a similar testing (1 Kings 19: 3, 4); why, therefore need we wonder that doubts should arise in the mind of the greatest "born of woman?" Not one of us at all familiar with the experiences of life and the subtility of temptation will be surprised when under these circumstances we read of John's question, v 2-6. This doubt is so natural that it bears upon its very face the stamp of being genuine and that the record was not fabricated. It is noticable in the form of John's question that he had no doubt as to the character of Jesus, the genuineness of his miracles, nor any question but that he was sent of God, but still he questioned, "is this the Messiah?"

John was not envious (John 3:27-36). he was too great a man to be that. but yet Jesus had not wielded the ax as he had expected, hence the messenger to Jesus and this frank question. John sets us the good example of taking his doubts to Jesus, and Jesus in a most tender way answers his doubting and at the same time turns it to his own advantage in confirming his claims as the Messiah. John Sought Not His Own Glory.

The second half of the lesson is the tribute of Jesus to the life and character of John the Baptist. Jesus has, as we have just seen, sent his word of comfort and cheer to John when he turns to the multitudes with a highly eulogistic testimony as to John's work, his worth and his greatness. True, his faith seemed to be shaken for the moment, but John was not a "reed shaken of the wind," indeed not. John was not a man seeking his own glory (Luke 3:16) nor his own comfort (Matt. 3:1, 4). He was not clad sumptuously (Luke 7:25). No, John was a prophet, a man sent, commissioned, inspired of God. He had authority to speak for God (Luke 1:16, 26) in declaring God's will to man. Yes, John is all of this and more, for he was himself the subject of Old Testament prophecy (Mal. 3:1, etc.). This John was chosen among all men to go before his face and to prepare a highway in the minds and hearts of Israel over which Jesus the Messiah might enter and begin the establishing of this new kingdom. It was in performing this service that John filled one of the highest offices ever filled by man. In this eulogy we need to recall the difference in the miraculous births of these two men. John supernaturally born of natural parentage, Jesus supernaturally born of woman but conceived of the Holy Spirit, hence the words of Jesus are to be understood that among purely human beings "none greater was born of woman."

Went to Christ Himself. Jesus' words in verse 15 are tremendous with import. Literally he says: "I have told you these things about John and about my kingdom, now you who have ears have an obligation resting upon you because of what I have told you." There was need of their understanding and accepting an important teaching, but the unreasonable Scribes and Pharisees would accept neither the austere John nor the more social Jesus. John would not join in their gaity. Jesus mourned not but led a more joyous life, yet they rejected him also. This "Son of Man." not of a man nor the man but son of man, of humanity, known as friend of the needy and the cutcast, is himself cast out by the religious leaders of his time. Nevertheless in the wisdom of God (Luke 11:49) both John the Baptist, and Jesus the Son of man and of Mary, have been sent and the results of their lives and of their teachings prove them to be a part of God's wise plan. God's wisdom is justified (v. 19) by its workings or as some translate it by its "children."

Great as was John the forerunner, yet he that is in this newer kingdom Jesus came to establish is vastly greater than the old Hebraism.

One of the six Panama commissioners was, a few years ago, a cub reporter at five dollars per week, and during that time was much perplexed over the problems of the Christian life and tormented by his doubts. Four successive nights he discussed the matter with his pastor; on the fifth he came with radiant face to inform his pastor that all his questionings were settled for, said he, "I went to Christ

Sherwood Forest, Robin Hood's Haunt, Still Thrives.

Notable Woodland in England is Sald to Be Unequalled in All Europe-Marty Kings Have Enjoyed the Chase Here.

London .- Now that Robin Hood. prince of outlaws, has appeared again on the stage, it may be interesting to know what his former haunt, Sherwood forest, is like today. When he was alive the forests of North Yorkshire were one immense woodland, but even in its present shrunken size Sherwood is said by a correspondent of the Bellman to be unequalled in all Eu-

From the days of the Normans to the time of the Stuarts, some six centuries, the kings of England were often in Sherwood forest enjoying the pleasures of the chase. Here and there were royal hunting boxes, of which little now remains save more or less legendary stories. But there are still in existence many remnants of the religious houses which in their day were both numerous and important.

The district known as The Dukerie. is perhaps the finest portion of the existing forest. Its title is due to the fact that within its borders were the homes of the dukes of Portland, Newcastle, Norfolk, Kingston and Leeds. There is no duke of Kingston today, and the dukes of Norfolk and of Leeds have parted with their properties. But Earl Manvers, a representative of the Kingston family, worthily maintains at Thoresby the best traditions of his race. As Welbeck Abbey the duke of Portland resides, anr the duke of New castle's principal seat is the home of his father's at Clumber.

Sherwood is of such antiquity that no record or history makes any mention of its beginning. There is scarcely a doubt that it was part of the aboriginal forest land with which at one time England was almost covered. Now all that remains of the beautiful woodland is comprised in the portions of Birkland and Bilhagh.

It is feared, though, the forest's rapid deterioration may be predicted, for railways are to be run through and coal pits are being opened in the near neighborhood and no great time will likely elapse before the forest in all its beauty will be a thing of the past.

One of the most venerable of the ancient manarchs is the Queen, or Major, oak. At first glance it may be slightly disappointing, for the mass of follage almost obscures the wonderful trunk, but a nearer approach will till you with surprise and delight. It



In the Heart of Sherwood.

has a girth of 30 feet at a height of five feet, while the spread of its branches is nearly 250 feet. The hollow trunk is most remarkable. It has been recorded that seven people have breakfasted within its space and that sixteen people have been squeezed into the hole. The marks of tempests and lightnings are visible upon its timeworn trunk.

Birklands owes its name to its birches, but it has oaks also and is a region of grace and beauty. Old and mighty trees are scattered about, some of them worn down to the very ultimatum of ruln, standing buge masses of blackness. A long and very beautiful drive leads to the famous old oak known as the Shambles, or Robin Hood's larder. It is said that the prince of outlaws used to hang his venison on its branches and perhaps he did. Years ago the tree was set on fire, but though its trunk is charred and hollow, it still stands and flourishes.

Indians' Deer Ceremony.

Wapato, Wash .- About 200 fullblooded Indians of the Yakima tribe met at the pompom house, half a mile east of this city, in celebration of the coming of new roots and deer. This is an annual event and is celebrated with religious ceremony. Feasting and prayer lasted throughout the entire day, the menu consisting of new roots and deer meat.

5,000 Eggs Daily From Farm. Petaluma, Ore.-Bowman Blanchard,

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"I'M ONLY A LITTLE GIRL"

Failing Eyesight Responsible for a Old Man's Mistake-Rebuke Hardly Effective.

A certain group of youngsters in an exclusive West side residential section had been very noisy throughout the forenoon.

The children were still doing their utmost to imitate a bedlam, when a very angry old man appeared at the door of a nearby apartment house. He was quite old, and it was evident that his eyesight was not the best, but he finally succeeded in picking out a youngster who was aiding very strenu ously in the noise making.

The aged man walked over to the child, took it by the hand and walked back to the apartment. When he reached the doorway he turned to the child and said:

"Don't you know it's against the law to make so much noise?"

"Yes, sir," was the meek reply. "Well, don't you know that you'll be arrested and put in jail, and then you can never be president of the United States?"

"Please, sir?" replied the child, "! don't care; I'm only a little girl.'--New York Mail.

Only Thinking. "Where are you thinking of going

Punk Beach.

this summer?" "I'm thinking of England, Norway and Scotland, but I'll probably go to

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"In my forty years' experience as a teacher and practitioner along hygienic lines," says a Los Angeles physician. "I have never found a food to compare with Grape-Nuts for the benefit of the general health of all classes of people.

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much mental work my diet twice a day consists of Grape-Nuts and rich cream. I find it just the thing to build up gray matter and keep the brain in good working order.

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