

Stock.

The Most Profitable Breeds of Sheep to Produce Combing Wool.

In considering the most valuable breeds of sheep, one important point is to know the class of wool that is in the greatest demand, and will fetch the highest price. Wool is not like wheat, barley or other cereals, which can be sold on the market any day at current rates. For the reason it can only be moved when opportunity offers. For this reason it is of importance that wool growers should be well ported on the class of woolen goods most wanted and likely to continue in demand. If they understood this, they would know the class of wool most likely to be needed. This is a matter, however, that growers, as yet pay very little, if any attention to. To those familiar with the subject it is plain to see that combing wools are and will be the most valuable wools for a long time to come. We have heretofore stated what class came under this head, and it may not be out of place to show some of the many classes of goods that combing wools are used for. Our readers have doubtless noticed a class of woolen cassimeres, much worn at the present time. The face of these are smooth and glossy, without nap. They are made from combed wool. Considerable knit underwear is also made from the same material, as are the fashionable Jersey cloths of ladies' wear, hosiery, shawls and many other classes of goods that might be mentioned. In the manufacture of these, the wools used run from middle grades up to the very finest of round, strong staple.

The combing business is yet in its infancy in this country, it having been started some twenty-two years since, from which period it has grown steadily, and is now increasing faster than ever. It is considered the most profitable part of the woolen manufacturing industry. The Eastern market, at this time, is bare of combing wools, and manufacturers there are now importing them from England and Australia. Current quotations in the Boston market for choice clothing wools range from 38 to 42 cents, and for combing wools 45 to 48 cents. There are high figures, and it will not be amiss for our wool growers to look into this and see if wools of this class cannot be grown on this coast. Some are of the opinion that combing and delaine (which are the same) cannot be produced here. This, we are convinced, is a mistake, and we are satisfied that the northern part of California can supply as good combing wool as were ever grown.

In this connection the question arises, what sheep are best adapted and most suitable for the production of this kind of wool in California? As we have stated, medium, that is, quarter-blood, to fine wools is all that is needed. There are as good bred Spanish and French Merinos in this State as any in the country. We have also the full Shropshires. These all do well in California, as has been proved by experience. The cross between the Spanish Merino and the Shropshire has proved a grand success, as has also the third cross of the same, producing first-class combing wool of every desirable quality, and yielding a very good average amount of wool, which should command the very highest price in the market. Some may say, perhaps, that those sheep do not give the weight of fleece. To this we reply, if they do not give the weight of fleece, they give a greater weight of wool, and as the day has come when all wools are bought on a basis of clean wool, the weight of the fleece amounts to nothing. The importance is the worth of the wool when clean. We shall continue our comments on various breeds of sheep hereafter, and would invite such of our readers as feel interested to give us their views of this subject, which we consider of especial interest at this time.—Grocer and Country Merchant.

Improvement by Co-operation with Nature.

The extent of man's dominion over the brute creation is apparent, not only in his power to subjugate and domesticate, but almost in a more marvelous manner in his control of form, color, and other natural characteristics of the original races of animals, which he alters according to his will, and sometimes works up to the likeness of a pattern long preconceived in his own mind. But the wisest improvers are those who are ever ready to work with, and not against Nature, who recognize her laws attend to her workings, and do not despise the hints which she is constantly urging. Any success gained without her concurrence must be hollow, and of brief duration.

In the sun warmed and sea-softened air of its native island, the Jersey is fitly clothed with a light and smooth coat of hair; removed to a "land of mist and snow," it puts on a thick and rugged overcoat, which, with acclimatization, becomes hereditary; while with its tendency to variation differs according to surrounding influences. The mossy-coated Short-horn of the north of England becomes, in the south of France, as sleek as a mouse; exposed to all weathers in high, cold, rainy districts, it grows hair much like that of the Scotch Highland, or Kyle cattle; and we know how greatly its hair varies in different parts of this continent, under diverse circumstances of climate, soil, and pasturage. So, likewise, each other imported breed, although for a while the law of inheritance asserts itself, will be found to gradually change under the force of altered

circumstances (wherever circumstances are materially different from those of its native place), and most careful selection, unsparring rejection, and, perhaps, fresh importations from the original sources, must be the means employed to perpetuate, in new and dissimilar homes, strict fidelity to the old type, if that is desired.—Live-Stock Journal.

Drouth and the Silo.

In many sections of this valley it would seem that grass roots were literally burned out by the sun's rays during the long spell of extreme dry weather. There are acres of mowing lands where not a green thing remains visible. We farmers still have faith that the much needed rain will appear and clothe the fields again with verdure. Our naked pastures seem to have parted with every particle of life preserving food at the demands of the half famished animals within their boundaries. Even the growth of coarse sedge and rank vegetation, which occurs in the low spots of many pastures ordinarily refused by cattle, is now greedily consumed, and forms a considerable portion of their sustenance. In many sections springs and brooks have ceased to flow, and cattle in pasture are without water, except as supplied from other sources.

Such of our farmers as have constructed silos and secured early supplies of ensilage are indeed fortunate this season. The corn fodder thus stored is certainly a valuable auxiliary feed, while the bulk of the corn fodder standing in the field is nearly or quite worthless. One farmer in this section, who planted about ten acres to a large variety of corn which he knew to be very productive, yet the grain of which would not ripen in this climate, built and filled his silo, and now has upwards of 100 tons first quality ensilage, and laughs at some of his less fortunate neighbors, who chafed him during the summer about his "Confederate corn." He only wishes his silo, as well as his stock of ensilage, was larger. Among other convincing arguments this prolonged drouth will induce many of our best farmers to construct silos and store ensilage next season. Several of our farmers, already owners of silos, have weighted the ensilage therein with bags, barrels and boxes of sand, which material they will use in the stables for bedding and for absorbents, as it is necessary to remove it from the silos. Many of the bags thus used originally contained commercial fertilizers of various kinds. Among our best and most practical farmers the interest in silos and ensilage is on the increase.—American Cultivator.

Hereditary Fruitfulness.

The increase of fertility in domesticated animals may be gained by careful pairing of fertile with fertile, and by judicious keep; decrease may be caused by ill-chosen or carelessly permitted alliance, and injudicious keep; increase, of course, being bounded by the natural term of the animal's life and the limit of possibility of breeding within that term, and decrease by the point at which both infertility and the breed itself are extinguished together.

The decay of fruitfulness has commonly proved one of the most serious drawbacks to the most advanced development of the beef breeds. In a state of nature, under ordinary circumstances, the reproductive system being in a healthy condition, barrenness is a comparatively rare expectation of the rule. But as soon as artificial forcing begins, fertility is in jeopardy; and the higher the degree of improvement by such artificial means, or perhaps we should more safely say the more rapid the advance in improvement, the greater is the danger, and the greater the necessity for watchfulness and for special treatment tending to counteract the effects of urging the animal's system to early and extraordinary activity, and loading its frame with a load of flesh and fat unknown in a state of nature. Many a fine family has died out because the owner, having succeeded to a great extent, is too eager for further and speedy success to put a timely restraint upon the rate of development.—National Live-Stock Journal.

Fine Stock.

It seems strange that Jackson county should be behind other parts of Oregon in the matter of fine cattle. Much attention has been paid to the breeding of fast horses and the result has proved that there is far more profit in raising good stock than in raising scrubs. It has been demonstrated that it costs just about as much, if not more, to raise a shovelnosed pig or a long-horned cow as it does to raise an animal that has been bred up into a state of animal civilization and usefulness. We feed our forage to cattle that represent the minimum yield of milk and butter when the same amount fed to stock bred in with Jersey, or Alderney would give double the yield and double the profit. There is no business more profitable than dairying and, with the best kind of stock, there is no reason why the farmers of Rogue river valley should not largely supply the Portland market. Our people seem to have been asleep for many years and, when the railroad is finished, if they do not wake up to the necessity of improving their stock and utilizing every spear of grass they will not only find no market abroad but lose a market at home.—Sentinel.

When one is sick advice is plenty, but not always the best. A good rule is to accept only such medicine as has after long years of trial, proved worthy of confidence. This is a case where other people's experience may be of great service, and it has been the experience of thousands that Ayer's Cherry Pectoral is the best cough medicine ever used.

The Apiary.

HONEY FROM THE ELK WEED.

Last week, Mr. Brooks, of Silverton, brought us a jar of strained honey and informed us that it was made from the elk or fire weed, and that he wanted us to try it and see if it was flavorless. He takes exceptions to the remarks of Dr. Chase in a recent article, in which he says honey made from the plant is flavorless. The sample before us is as clear as so much water and in point of flavor rivals the far-famed Los Angeles honey. Its flavor, so far as we can tell, is decidedly of a nature, and smells clean and sweet. Mr. Brooks, in the course of the conversation, informed us that he had one hundred stands and that he had almost 3,500 pounds of product consisting of strained and comb honey. He has been able to sell all of it for twenty cents a pound, and the demand exceeded the supply. It will be seen Mr. B. has been able to sell \$700 worth of honey, which does much toward paying for the groceries, etc., of his household. He has probably, we will venture the assertion, made \$1,000 off his bees and kindred work the past year. The question naturally arises: How much of his time has been employed in this occupation? We would like to hear from him on this point. Again, it is a study of nature and affords a world of thought and reason, and reveals to us all the greatness of God and his all providing care in allowing nothing to go to waste, not even is the little flowerlet allowed to "bloom unseen, or waste its fragrance on the desert air."

The healthy occupation and out door exercise is a strong point and who would not enjoy watching the "busy bee" and holding "silent communion with Nature and nature's God." We don't wonder that bee-keepers, and those who study it the least bit, are enthusiastic on the subject. It is a grand and good study and has its fair share of profits.

A Mountain Apiary in Oregon.

SILVERTON, Or., Jan. 22, 1884.

Editor Willamette Farmer: As I am asked many questions as to my method of arranging bees, so as to get so much nice honey, by persons who would at least, like to know enough of modern bee-keeping to supply their own tables with honey, permit me to offer a few suggestions, through the columns of your paper.

In the first place, I am a remodeled bee-keeper of the box hive system of only three years experience and although I have been successful beyond my expectations, there is much to be learned yet, and I may not be just orthodox on all points, but may be able to give some hints that will be of service to those who may wish to come over to our side, viz modern bee-keeping. To begin with, I would suggest that you procure some reliable work on bee-culture and subscribe for a good bee journal of which there are many, and read up for yourselves. I attribute my success largely to knowledge gained on the subject, from the works of A. I. Root, Medina, Ohio, Cook's New Manual, Quinby's New Bee-keeping, Bee-keepers Text Book, Langstroth on the Hive and Honey Bee, are also good works, and may be relied upon for practicability. The next thing to be considered, I think, would be the hive, one with movable frames and interchangeable, that is, made so that any part of one will fit in the same place in any hive, so that there may be no confusion in handling, if you should chance to get some piece misplaced, or broken, or want to change from one hive to another. This will require neatness of work, and patience too, for it is better to take a little more time and do the work well so that when the hive is well made and neatly painted, it will not only look well as an ornament but last for years. I prefer the Simplicity beehive, simply because I have tried other hives right along with them and have always obtained the best results from the Simplicity, besides it is much more easy to manipulate. It seems to be just the hive for our climate, the walls are sufficiently thick for bees to winter well in, and in the early spring, an hour or two of warm sunshine, warms it, and is felt by the bees much quicker than a thicker walled one. It is thought by some, to be too large, I must protest that it is not. Don't you see the old theory, that in order to get a large amount of honey stored above, the bees must have a small space below, is a poor one? We see at a glance that the more honey gatherers we have in the hive the more honey we can take out, therefore, have just as large a hive as a good laying queen can fill with bees and maintain. I furnished quite a number of hives last season, to persons living in the lowlands of the Willamette valley. All that I have heard from report lots of bees and plenty of honey. As for my own hive, I tried some of them up three and four stories high and they were chock full of bees and honey too. Now, I would say, get any large that suits you best, only get one large enough and you can make it smaller, by

the use of a division board to any size you wish for small swarms, etc. The hive must be filled. Well get the common black or brown bee, and give them a good queen of any strain you may prefer, Italian or otherwise, and see what a bran new swarm you will have in a few months. In transferring, save all the good comb, and all the brood you can, and fill the remaining empty frames with comb foundation. I would say here, that I don't think that a hive with simply a raised cover to turn the rain, is sufficient protection against our long wet winters. Hives should be well protected from the beating storms of wind and rain so common to this climate, and the cheaper cover will answer the purpose just as well, and are more convenient to handle. Bees may be set out in the yard during summer months for convenience in handling. Where there is plenty of room, I would place them at least six feet each way, from each other, mine are eight feet apart. I move my bees at any time and any place, and have no trouble with them going back to the old stand.

The mountains adjacent to the Willamette valley, both Coast and Cascade ranges, afford many fine locations for an apiary, the flowers are from Natures raising, and the honey gathered from them is pure and of fine flavor, only equalled by the famous California mountain sage honey. I have shipped this honey (Oregon mountain) to different parts of the State, and it is invariably pronounced A No. 1; it weighs heavily, from twelve to thirteen pounds per gallon which is sufficient proof of its sweetness and purity.

But, bee friends, we cannot all of us take our bees to the mountains, so we must see what can be done at home. There are many bitter weeds and herbs, which seem to spring up spontaneously, in the more cultivated districts, which give an unpleasant flavor to honey, some may call it highly flavored, it is most too high. I would suggest this evil may be avoided to a certain extent, by thorough cultivation. Where the plow cannot do the work, use the scythe, and mow them down just as they commence to bloom, and give the bees better pasture by sowing white clover seed in the fence corners, by the road side, and sow a few acres for cow pasture, and if you give a few pounds of seed to your neighbor to sow for pasture, the bees will bring it all back to you again with interest added. One more point here in connection with honey. It is well known that bees at certain times of the year work on what bee-hunters call strong bait, it is brought to the hive from all kinds of filth holes; I do not think it comes in contact with the mouth that sips the sweet from flowers gathers up this filth too, besides they don't seem to have any odor mats to clean their boots on, (in the wilds of the mountains they don't have these places to go to), moral, keep everything about the place as neat and clean as possible, and give the bees all the salt they want, or a weak solution of salt water, a little trough filled with sawdust and wet with this water will do nicely. All swarms that lack vim, or do not store much honey, should be given a new queen of good qualities. For the production of honey, breed from your best colonies, regardless of color, put on the upper story filled with sections and comb foundation starters, when the bees begin to be a little crowded for room below, and they will usually, go to work in them at once. Foundation should be given to the bees when honey is coming in rapidly, otherwise they may not draw it out rapidly. Use none but the purest wax for comb honey, the dark will do for brood comb. Foundation for the brood combs should run about four or five square feet per pound, for comb honey, it should run from seven to ten feet per pound.

J. L. Rusk, Milwaukie, Oregon, has a foundation machine, I also have one, and I think perhaps, there are others who have them, and will make foundation to supply those who may wish to use it the coming season. All summer up, here it all is in a nutshell: A good hive, filled with a good swarm of bees, and bred up to the boiling point, at the commencement of the honey season, plenty of room above; good bee pasture; all the foundation they will use; and proper attention at the right time is the guide to securing a good yield of rich honey.

E. S. BROOKS.

The Eyes of Potatoes.

Experiment has shown that if a portion of the eye of potatoes is cut out or injured it cause the remainder to push forward more vigorously. In a whole potato it is rare that more than three or four eyes grow. By cutting in two or three pieces and removing part of the eyes on each, they will all produce strong shoots, if the pieces are not afterwards injured by heating from being piled in two large heaps. It will make a great difference to the coming crop if potatoes intended for seed are spread thinly in a light place, where the temperature remains a little above the freezing point.

De wise man an' de fool don't quarrel; but two fools or two wise men kin't get along so well. De man who marries a woman case she's got more sense den he has, is never allowed to lose sight o' dat fact. De child dat too soon show signs o' smartness down turn out ter be de smartest man. De dust cotton dat opens is neber de best. Eben 'mong de animals 'pearance makes a difference: fur de blackbird had bright feathers in his wing we'd think dat his song was much sweeter. De gigglin' girl ginerally turns out ter be de woman what doan' laugh much; an' lemme tell yer, marriage an' a lot o' chillum will take the chuckle outen de mos' o' em.

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