

SAGEBRUSH MAY BE WORTH MONEY

Net Profit Shown in Nevada Test is \$20.56 a Ton

According to a Nevada man, who has recently been investigating the possibilities of sagebrush the people of this section may be burning up one of the most profitable commodities we have at present. If what he says is true we better give sagebrush some attention along with our farm prospects and other resources. The following appeared in a recent issue of the San Francisco Call and had evidently been preceded by details, but this is sufficient to give us something to speculate upon:

"Editor Call: Editorially this morning you quote me as saying that \$23 worth of chemicals could be extracted from a ton of sagebrush at a cost of \$1 per ton. This is an error. An estimate of cost of handling a large amount of sagebrush (33,000 tons), made at the University of Nevada, shows the cost to be \$3.25 a ton and the net profit of \$20.56 a ton.

"German scientists are already investigating the proposition of extracting money from sagebrush.

"In the State of Michigan many millions are invested in the extraction of chemicals from hard wood by dry distillation, and they pay \$5 a cord for the raw material.

"The Middle States furnish most of the staples which can be extracted from sagebrush, and the Western States pay the freight on the commodities when they could manufacture them at home for much less cost.

"San Davis."

\$1,000 REWARD

The Oregon California and Nevada Live Stock Poisoning Association, of which the under signed is a member will give \$1,000.00 reward for evidence leading to the arrest and conviction of any party or parties stealing horses, cattle or mules belonging to any of its members.

In addition to the above, the undersigned offers on the same condition \$500.00 for all horse law. Brand recorded in eight counties. Range Harney Lake and Crook counties. Horses wanted when sold. None but grown horses sold, and only in large bunches. W. W. Brown, Pio. Oregon.

CENTRAL OREGON IS WINNER AGAIN

Tillman Reuter Captures Canada Prize for Best Barley

Madras Pioneer: The Grand Sweep-stake for the best sheaf of barley raised on the dry farming plan, offered at the Lethbridge Dry Farming Congress was won by Tillman Reuter of Madras.

And Lethbridge, be it known, is in Canada. In the heart of the famous Alberta country.

The prize was a John Deere binder, offered by the Winnipeg branch of the famous John Deere work. It was fully expected that a Canadian farmer would carry it off. But our Canadian cousins had not reckoned on Mr. Reuter of Madras, the dry farming wizard. The binder has arrived here and is now safely housed at the Reuter ranch, waiting for the harvest.

Must Patrol Timber

The state board of forestry has placed its disapproval on the efforts of certain persons in eastern Oregon to contract with timber owners to patrol their timber holdings during the coming season for the price of \$5 a quarter section, which is equal to three cents an acre. By the provisions of the last legislature all timber lands in this state must be patrolled during the fire danger season. The law provides that every owner who does not live within one and a half miles of his timber land must provide a sufficient patrol for it, and in case of the owners refusal or neglect to furnish a patrol the state forester is authorized to provide one at a cost not to exceed five cents per acre per annum.

In counties where patrol organizations do not exist the state forester is endeavoring to make arrangements with the large timber owners to patrol, along with their own timber, the timber of small owners at actual cost.

COUGH MEDICINE FOR CHILDREN.

Too much care cannot be used in selecting a cough medicine for children. It should be pleasant to take, contain no harmful substance and be most effective. Chamberlain's Cough Remedy meets these requirements and is a favorite with mothers of young children. For sale by all good dealers.

GROWTH OF SOCIAL CENTER WORK.

A recent report of the Russell Sage foundation gives the following facts about the social center:

Forty-four cities reported centers at which there were paid workers. (Two years ago we could find only fifteen cities in this class.)

In nineteen of these at least some of the workers are paid by the board of education.

Fifty-seven other cities reported schoolhouses which were locally known as social or recreation centers, though they were conducted entirely by volunteer workers.

In eighty-four of the 101 cities reporting centers the heat and light are furnished by the school board.

In seventy-two the heat, light and janitor service are provided by the board.

In fifteen the board bears the total expense.

Total amount of money reported as expended both by school boards and voluntary agencies in the maintenance of school centers, \$139,535.73.

Total number of schools used as centers in the 101 cities, 338.

Number of cities reporting branch libraries in public schools, 100.

COMPULSORY OPEN AIR SCHOOL ATTENDANCE.

A Ruling in New Britain—Depends on Pupils' Condition.

Can the school authorities or the courts compel a child to attend an open air school when the pupil, with the approval of its parents, would prefer to attend the regular school? This question was decided recently in a police court in New Britain, Conn. A father was arrested for failing to send his children to school. In the court it developed that the children had attended school regularly until they were directed to go to the new open air school which the city had established. After a few days at the open air school the children complained of being cold during school sessions. Then their father told them to go back to the regular school again, where they were refused admittance because they had been transferred. The result was that the children attended no school. After deciding that the compulsory education law could not be made to apply to the open air school the court paroled the children in the charge of a probation officer.

In New York the parents must consent before children are admitted to the fresh air classes for anaemic children, and they may withdraw their children and put them back in the regular school. In case of children with open tuberculosis, however, the health department requires that they be segregated from other children, and the board of education exacts compulsory attendance at an open air school if they are physically able.

TOWN BOOMING.

What Can be Accomplished by Cultivating Public Spirit.

Spirit is the most substantial thing in the human world. A nation is as great as the collective spirit of its people. Progress, industry, inventions, improvements—all are but manifestations of the spirit of an age or of a country or of a city or of an individual. Take all the people out of New York and put 5,000,000 Zulus in their places and grass would grow in the streets, elevators would stop, subways, elevated roads and surface lines would be abandoned, and the city would fall into ruins. But the present inhabitants of New York in the middle of Zululand and they would build another New York. For the people are the city. It is their spirit that does all things. When San Francisco was shaken down and burned the real city did not cease to be, but was only put in the way of a new and greater manifestation, for the spirit of the people rose higher to meet the catastrophe. It has been so in every American disaster. Here liberty, popular education, democracy and individual initiative have built up a greater spirit in the people, and this faith has become manifested in works. All this has a very definite and practical application to the building up of a town or city anywhere. The only way this can be done is to build up the spirit of the people of that town or city. Given that and the material progress will follow. Seek ye first the inner kingdom and all these outer things shall be added. Like most of the things taught by the Master, that is a scientific fact. It belongs to that deeper human science which, after all, is the greatest one we know.

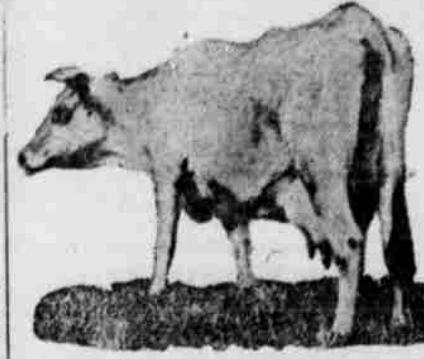
Growth of School Gardens.

Not only in well known centers, but in remoter localities, the school garden movement is taking root, and this suggests a satisfactory outcome, the result of which will be not only the higher culture of our future citizens, for there is nothing like an understanding and appreciation of nature to impart this culture, but it may also lead to a better distribution of our population. Once impart to the child a love of flowers and field and the city cannot hold him unless it can give him a garden spot. Reports from the principals and teachers where school gardening is in vogue have been most gratifying. They declare that without exception the influence of this work is retarding and uplifting.

THE PREVENTION OF CALF DISEASES

Due to the fact that the unborn calf makes rapid growth during the eight weeks prior to birth he who would breed and develop good cattle should turn the mother dry at the beginning of this period, writes Hugh G. Van Pelt in Kimball's Dairy Farmer. When dry he should begin feeding her well of foods rich in mineral matter or ash and protein, for these are the nutrients from which the mother makes muscle, blood, bone, cartilaginous material and hair. Of these, in addition to water, the youngster is almost completely composed at birth. Fat, which is furnished by carbohydrates, such as corn, timothy hay, corn stover and straw, is conspicuous by its absence. Therefore such foods do not aid greatly in manufacturing the fetus.

Where special attention and good judgment are used in thus providing nutrition through the cow for the offspring abortions are of much less frequent occurrence, and calves are born that are larger, more vigorous and less susceptible to diseases, such as calf scours, calf cholera, hemorrhagic septicemia, etc., that rob the dairy



Rosalind of Old Basing, the pure bred Jersey cow here pictured, is champion dairy cow of the British empire. Her record under official test is: Highest milk yield in one day, 62 pounds; highest milk yield in one year, 15,790 pounds; highest yield in three years, 37,847 1/2 pounds; average butter fat test, 5.16 per cent; butter production, one year, 1,021.89 pounds; butter production, three years, 2,643.39 pounds

world of much of the best blood that should be retained to replenish and add to the greatness of its herds.

Almost as important are the care and feed necessary after the birth of the calf, but that is another story. In the first place, it must be kept free from disease, whether it is born strong or weak. As soon as it draws its first breath it comes in contact with germs, some of which will work havoc if they gain access to its inner body. If germs that cause white scours or hemorrhagic septicemia are present they are able to enter through the broken umbilical cord before nature has time to seal it by drying the broken end. Therefore it is not only necessary for the cow's owner to provide a clean, carefully disinfected, dry maternity stall, but he should be in attendance at the birth of the calf with a supply of reliable disinfecting solution to carefully cleanse the umbilical cord and tie a disinfected cord tightly around it close up to the abdomen. This is a very simple, inexpensive treatment, yet it is all that is necessary to prevent a large percentage of infectious diseases.

In addition to liberal and regular feeding it is surely advisable to provide for the calf quarters that are scrupulously clean, warm and dry. Never take it for granted that disease germs are absent, for if you do precautions necessary for successful calf raising will be omitted and a high death rate of calves will result. A supply of reliable disinfectant should be close at hand, so that every time the calf stall is cleaned the floor, walls and every nook and crevice may be saturated with it.

The box from which the calf eats should frequently be thoroughly scrubbed with cleansing powder or soap and rinsed out with the disinfecting solution, for one of the chief sources of calf disease is the utensil from which it feeds. This is especially true of the pail from which it drinks. No law compels the dairyman to sterilize such utensils by steam or hot water. The plan of washing or at least rinsing them in a disinfecting solution should be practiced regularly after feeding and the pails set where the sun can shine on them. These suggestions are worth considering, for, supplemented with proper feeding, their practice will prevent the causes of 90 per cent of the death loss of calves, which at present is a discouraging problem to the breeder of dairy cattle who by the use of good blood is trying to improve his herd.

Stabling the Colts.

Colts that are wintered inside in spacious, comfortable stalls will lie down and rest at night, which is just the thing for them to do, writes a correspondent of the Farm Press. Resting at night takes the weight of the body off their legs and rests the joints. The handling that is necessary is good training for young horses. If they have been properly handled about the stable the breaking and training process is much simplified in the morning every horse gets a good currying. The time spent on them may not be much, but it certainly pays in feeding horses. If I want stock to thrive well on the smallest amount of feed, I keep them warm. The barn is easily ventilated so that plenty of fresh air is supplied and stock does better there than standing beside a board fence on a pile of frozen manure.

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In transcribing the records we have found numerous mortgages recorded in the Deed record and indexed; and many deeds are recorded in the Mortgage record and other books. Hundreds of mortgages and deeds are not indexed at all, and most difficult to trace up from the records.

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