

SKIM MILK CALF AHEAD.

Ready to Make Economical Gains in the Feed Lot.

With the advent of the hand separator the question is often asked as to the relative merits of skim milk from the creamery and from the hand separator. A test comparing the two was made at the Kansas agricultural station with thirteen calves. At first the calves showed a dislike to the odor of the sterilized skim milk, but they soon became accustomed to it and drank it readily. There was practically no difference in the gain made by the calves between the two classes of milk. The creamery, however, took pains to thoroughly sterilize the milk and was careful not to receive sour milk that would give it a tendency to clabber. The hand separator skim milk was fed immediately after separation. The calves receiving skim milk were less subject to scours.

Results with skim milk show the possibilities in raising calves on it and also the variations in these results. With young calves it requires a very small amount of feed to produce a pound of gain.

Three Factors of Feed Milk.
Results of the following ways of feeding milk are tabulated as follows:

	Cost per 100 pounds head.	Cost per 100 pounds gain.
Skim milk lot	\$5.27	\$2.25
Whole milk lot	19.13	7.06
Lot with dams	12.00	4.41

This experiment shows that the feed cost of raising a good skim milk calf need not exceed \$5.27, in contrast to \$19.13 for whole milk, and \$12 for one raised by the dam. A skim milk calf becomes accustomed to eating grain and roughness early in life, becomes gentle, and when transferred to the feed lot is ready to make economical gains.

In the Feed Lots.

At the close of the foregoing experiment the calves running with the dams were placed in the feed lots in comparison with those raised on skim milk and whole milk. The results in the feed lots are shown in the following:

Number of calves.	Average Daily Gain.	
	Months.	Head.
Skim milk	4.9	2.10
Whole milk	7	1.38
Running with dams	7	2.00

It will be seen that the skim milk calves made the best gains. The feed record shows that the skim milk calves produced 100 pounds of gain for 430 pounds of grain, while the whole milk calves required 470 pounds of grain per 100 pounds of gain, and the calves running with the dams required 475 pounds of grain per 100 pounds of gain.

BINDER TWINE.

Plenty of It in Sight and at Fairly Reasonable Prices.

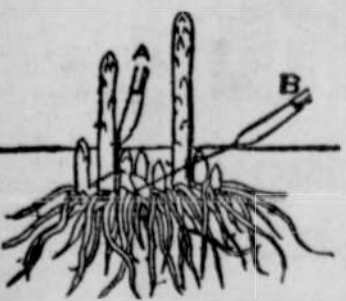
Western farmers will in all likelihood secure binder twine this season at fairly reasonable prices, in comparison with the past few years. Quotations announced by the International Harvester company are about one-fourth cent per pound lower than last spring on sisal and standard manila. Prices f. o. b. Chicago on small lots of sisal are 10 cents per pound and 11 cents for standard manila. Car lots are given one-fourth cent discount and half cars one-eighth cent.

Pententiaries in several western states have published prices at which they will sell twine this season. As many of these institutions do not furnish enough of the product to meet the demand in their own states, the harvester company's figures are of chief importance. The Kansas penitentiary, with an output of 3,000,000 pounds of binder twine, about one-third the needs of Sunflower State farmers, has announced that Oklahoma and Indian Territory may purchase as in former years. In lots of 500 pounds or more, twine will be sold at 8 1/2 cents per pound, in smaller lots at 9 to 9 1/2 cents. This change is about one-fourth cent higher than a year ago. The Missouri penitentiary will have about 700,000 pounds to sell at 8 1/2 cents. The penal institution of Minnesota has announced prices the same as that of Kansas.

As regards wholesale cost of raw materials, the twine situation is little if any changed from last year. This would indicate that United States manufacturers have anticipated a good demand for twine this season.—American Agriculturist.

How to Cut Asparagus.

It is not advisable to cut the asparagus bed till the plants have been three years set, and the cutting should always cease in June or by the 1st of July.



In cutting asparagus the knife should be inserted vertically (Fig. A), so that the crowns will not be cut or injured. In the position B the knife may do much mischief.—Bailey.

The Loco Weed.

The statement of some of the investigators of the department of agriculture that loco weed does not hurt sheep is receiving severe criticism from practical sheep men.



Of all known methods of treating milk fever the injection of sterile atmospheric air into the udder is by far the most simple and practicable as well as the most efficacious and harmless one at our disposal.

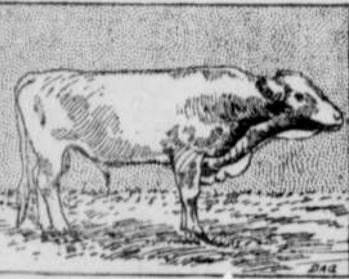
For a considerable length of time the entire value of Schmidt's treatment was considered to be the antitoxic action of potassium iodide, and soon numerous investigators began injecting various other antiseptics, with equally good results. Sterile water was tried with no increase in the mortality, and it was therefore considered that the distension of the udder was as important a factor as the antitoxic action of the iodide of potash.

Continuing along these lines, Kortman used antiseptic gases (etherized air) with beneficial results. Oxygen was then tried by Kussel with increasing success and the mortality in the experimental cases virtually disappeared. The apparatus for treating with oxygen and etherized air, however, are expensive and cumbersome, and this greatly limits their use by the average practitioner.

To Anderson of Skanderbog belongs the credit of first having made use of plain atmospheric air. He first injected it along with sterile water and then by itself. The results were astonishingly successful. Thus Schmidt reports that out of 914 cases treated in Denmark 881, or 96.7 per cent, were restored to health. The record of 140 of these animals shows that recovery occurred in the average time of 0 2/3 hours.—Circular 45, Bureau of Animal Industry.

New Strain of Cattle.

The animal herewith shown represents a type of the so called new breed, Polled Albion, says American Agriculturist.



POLLED ALBION BULL.

turist, from which the picture is reproduced. B. E. Ferris of Potter county, Pa., is originator of this strain of cattle. They are said to be very hardy and good all round general purpose animals. They are pure white and hornless. The strain is said to breed true to type and is well established. Several herds are owned in New York and Pennsylvania. The Polled Albion Breeders' association has been organized, and herd and register are being kept. Mr. Ferris says of the cattle: "The average weight of the bulls is about 1,600 pounds, while in the cow it varies, a fair average being about 950 pounds. The cows are fair milkers, averaging about fifteen to twenty quarts of milk of high quality two months after calving."

The Art of Milking.

Milk until you get all the milk, but when you have thoroughly emptied a quarter leave it. Do not continue the milking motion upon an empty teat. Do not go back to a teat once you have left it. If you begin this with a young cow you will make her a slow or uncertain milker, one that will never let you know when you are done milking, one of the "come again and keep coming kind."

Never milk with the thumb and finger. Never pull down upon the teat. Never strip. You get less milk. You ruin the elasticity of the milk duct, and you make her a hard milker or a "gurgler." Some one may say "strip 'em" and "strip 'em clean," but this is nonsense, and the practice should not be tolerated, much less cultivated. Milk properly. Milk until each quarter is emptied, and when you get all the milk quit. But your task is not done until you have called the cow by name and gently patted her side and made sure that you have left her in a friendly mood.—R. H. Wood in Farmers' Tribune.

Pasture For the Bull.

The time of year is near at hand when one should have a good pasture lot where the bull can run out during nice days. The exercise in the fresh air will do him more good than anything you can do. It is of more importance than most people think. As a rule, most bulls are "burned up" all winter. They are, so to speak, "stall sick." The muscles become inactive from lack of tone. There is loss of nerve energy and poor circulation of blood; therefore a general bad effect on the body.

The greatest benefit derived from outdoor exercise is on account of fresh air secured. A good lot is all that is necessary. Violent exercise is dangerous unless proper care is taken afterward on account of reaction of circulation.—Jersey Bulletin.

Corn For the Silo.

The corn plant is the only one in my judgment intended by nature for the silo. The composition of the plant, sugar and starches, is most easily and safely preserved. The legumes can under favorable conditions be made valuable, but under no circumstances would I silage the clovers or oats and peas if the weather permitted drying.—H. R. Cook in Rural New Yorker.

THE SALVE THAT PENETRATES

DeWitt's Witch Hazel Salve penetrates the pores of the skin, and by its antiseptic, rubefacient and healing influence it subdues inflammation and cures Boils, Burns, Cuts, Eczema, Tetter, Ring Worm and all skin diseases. A specific for blind, bleeding, itching and protruding Piles. The original and genuine Witch Hazel Salve is made by E. C. DeWitt & Co., and sold by The Modern Pharmacy.

Lewis and Clark Exposition Ticket Rates.

INDIVIDUAL TICKETS

Cottage Grove to Portland & Ret \$5.90, good for 30 days, but not later than Oct. 31st, 1905.

PARTIES OF TEN OR MORE

One fare for the round trip good for ten days, (must travel together on one ticket both ways) \$4.40

ORGANIZED PARTIES OF ONE HUNDRED OR MORE

One fare for the round trip party moving on same day, but individual tickets will be sold under this rate and can return at any time within ten days from date of sale. \$4.40.

The above tickets on sale daily between May 29th and Oct. 15th, and no stop overs allowed in either direction.

QUALITY VS. QUANTITY

Hard muscles and strong body do not depend on the quantity of food you eat, but on its perfect digestion and proper assimilation. When you take Kodol Dyspepsia Cure your system gets all the nourishment out of all the food you eat. It digests what you eat regardless of the condition of the stomach and conveys the nutrient properties to the blood and tissues. This builds up and strengthens the entire system. Kodol cures Indigestion, Dyspepsia, Belching, Sour Stomach, Weak Heart, etc. Kodol Dyspepsia Cure for what is sometimes called America's national disease—Dyspepsia—is destined to eventually work a wonderful and lasting benefit to sufferers from this distressing and mind harassing condition. Sold by The Modern Pharmacy.

Is Sumpter district progressing? Well rather. Forty stamps that have been idle were placed in commission this week at mines formerly condemned as "played out" and several new properties began shipping to the smelter. The successes are wholly due to unswerving confidence in the properties and intelligent, scientific mining. A new era, an era of greatest promise is being ushered o'er the threshold and when modern mining and milling methods shall have become more general throughout the district many valuable properties become producers and the worth of the district be more recognized.—Blue Mountain can.

"They are sending electricity through buried wires in order to stimulate the growth of vegetables."

"I wonder if the current is strong enough to shock the corn?"—Cleveland Plain Dealer.

"Five Hundred Dollars Reward."

The Southern Pacific Company will pay Five Hundred Dollars reward for information leading to the arrest and conviction of any one of the persons who maliciously placed ties on track at private road crossing two miles east of Albany, April 2nd 1905.

J. P. O'BRIEN,
General Superintendent.
Approved,
B. A. WORTHINGTON,
General Manager.

Growell (in cheap restaurant)—"Here waiter! Are these mutton or pork chops?" Waiter—"Can't you tell by the taste?" No. "Then what difference does it make what they are?"

What it Costs to See the Fair.

Visitors at the Lewis and Clark Exposition will be surprised to find how cheaply the big fair may be seen. The expenses of a trip depend largely, of course, upon the individual who makes the trip. The following is a conservative estimate of the entire cost for a trip to the Exposition and return:
Five day visit \$20.95; ten day visit \$30.95
Full information can be secured on application to this office,
J. M. ISHAM
Agt. S. P. Co.

"Mrs. Watts Trumps didn't attend the last session of the whist club did she?" "No; she can't talk very well yet with her new set of false teeth."

"No, said Mrs. Housekeep, 'my husband is not at home. He's out hunting, as usual.' 'Hunting?' Why, this is the close season.' 'He's hunting a cook. That season is always open.'

FOLEY'S KIDNEY CURE
Makes Kidneys and Bladder Right

A NEW CURE FOR DEAFNESS

Electricity the Highest Science Ever Applied to the Human System—Many Responsible People Cured in This Country and State can Vouch for the Truth of This Statement—Dr. Darrin will Remain Until October 1. Eugene Guard.

There is probably no better known man in Linn county than Mr. Parrish, Mr. Oxford and Mr. Plate. They have spent a life time among the people of this state and their reputations are such that none will question their truthfulness. They have received great relief at the hands of the great benefactor, Dr. Darrin, at the Hotel Smeede, and desire to inform all the afflicted that they have the same opportunity. Their testimonials are given below:

TO THE PUBLIC.
For the past five years I have been troubled with deafness in one ear. I am happy to say that Dr. Darrin cured me with electricity and a slight operation in twenty minutes, so I can hear as well as ever in my life. I reside at Sodaville, Linn county, Oregon, and formerly lived in Albany 18 years. Refer to me by letter or in person.
Wm. W. PARRISH.

HE CAN HEAR A WHISPER.
To the people: About three years ago I commenced being deaf. I was almost distracted with the inconvenience of not being able to hear. I heard of Dr. Darrin, then in Albany, and applied to him for relief. He cured me. I can hear a whisper across the room and a watch tick. The cure was made two years ago, so I consider it permanent. Refer to me at Brownsville, Ore.
J. L. OXFORD.

HAPPY AFTER TWO YEARS OF MISERY.
To the Afflicted—I can recommend Dr. Darrin's treatment. For eight or ten years I have been troubled with rheumatism in the hip and back, also diabetes, having to relieve my bladder many times a day and night. Through Dr. Darrin's electrical and medical treatment am cured of the rheumatism and diabetes. Ref r to me at Jefferson, Ore.
J. W. PATE.

The writer knows Mr. Pate very well and is pleased to inform his many friends of his recovery, and knows the case must be a genuine one, as Mr. Pate is a man of good sense and sound judgment. He could not be induced to make such a statement unless he knew it to be true.
DE. DARRIN'S PLACE OF BUSINESS.

Dr. Darrin is located at the Hotel Smeede, Eugene, until October 1, and giving free examination to all, 10 to 5 or 7 to 8 daily. The poor free and those able to pay at the rate of \$5 a week or in that proportion of time the case may require. All curable chronic diseases of men and women a specialty. Free treated free and

Old papers for sale at the Leader office 15 cents per hundred.

The Original
Foley & Co., Chicago, originated Honey and Tar as a throat and lung remedy, and on account of the great merit and popularity of Foley's money and Tar many imitations are offered for the genuine. Ask for Foley's Honey and Tar and refuse any substitute offered as no other preparation will give the same satisfaction. It is mildly laxative. It contains no opiates and is safest for children and delicate persons. For sale by Benson's Pharmacy

If in a kind of bilious mood, You wish an aid to digest food, No other pill is half so good
As DeWitt's Little Early Risers. The famous Little Pills EARLY RISERS cure Constipation, Sick Headache, Biliousness, etc. They never gripe or sicken, but impart early rising energy. Good for either children or adults. Bob Moore, Lafayette, Ind., says: "No use talking, DeWitt's Little Early Risers do their work. All other pills I've used gripe and make sick. DeWitt's Little Early Risers brought the long sought relief. They are perfect." Sold by The Modern Pharmacy.

The Leader office is prepared to turn out the very highest class of commercial job printing. We guarantee satisfaction.

To Old Soldiers.
Headquarters Association of the First Oregon Cavalry and the First Oregon Infantry, LaGrande, Oregon, May 10, 1905.
Comrades:—

The fourth annual reunion of the First Oregon Cavalry, United States Volunteers, and the First Oregon Infantry United States Volunteers' Association will be held in conjunction with the state encampment of the Grand Army of the Republic at Oregon City, Oregon, on June 24, 1905.

All comrades requested to be present and participate.
A cordial invitation is given to all persons who served in either the First Oregon Cavalry, United States Volunteers, or in the First Oregon Infantry, United States Volunteers, and did duty in Oregon, Washington, Idaho, Utah or Nevada from 1861 to 1866, and to their parents, wives and descendants, to join in the reunion and talk over the incidents of long ago.

GEO. B. CURREY, Commander
W. M. HILLEARY, Adjutant.

BARTELS' CITY MEAT MARKET

COTTAGE GROVE, OREGON
Fresh Beef, Pork, Mutton and Veal
ALWAYS ON HAND
SMOKED : MEATS : A : SPECIALTY
CHOICE FRESH FISH ON TUESDAY AND FRIDAY
J. H. BARTELS, Proprietor Phone Main 83

The Cottage Grove Electric Company
Supplies the current. You press the button and your light shines.
CALL FOR RATES
JAS. H. POTTS PROPRIETORS OF A. S. POWELL

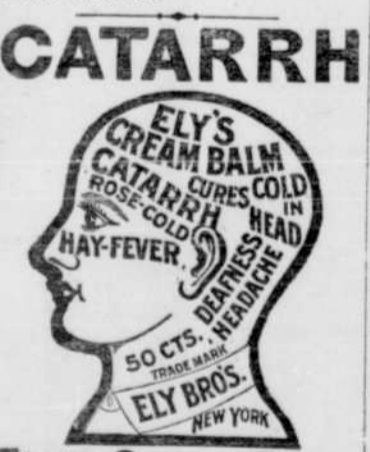
The Fashion Stables
ALSO OFFICE OF THE
First Class Turnouts, Double or Single.
POTTS & McQUEEN OTTAGE GROVE, ORE

Something for Your Eastern Friends.
The 1905 issue of the publication "Oregon Washington and Idaho and Their Resources," issued by the Passenger Department of the Oregon Railroad & Navigation Company, is now ready for distribution. If you have friends in the East who are interested in the Pacific Northwest, a copy of this publication would be a welcome visitor to their homes. This publication will be mailed to any given address upon receipt of four cents in stamps to pay postage.

Oregon Patents.
Granted this week. Reported by C. A. Snow & Co. patent Attorneys, 1100 Broadway, New York City. For particulars send 10 cents in stamps to C. A. Snow & Co. Washington D. C.

Round Trip for One Fare.
The Southern Pacific railroad has decided to make a rate of one fare for the round trip from Portland to all points in Oregon to as far south as Ashland, for visitors from the East to the Lewis and Clark Exposition, to enable them to look over western Oregon, that they may have an opportunity to locate or invest.
The tickets will be good for 15 days, with stop over priveleges. Holders of Exposition round trip tickets from the east can purchase these tickets this rate, it will depend upon the energy shown by the community as to the number of visitors secured.

CATARRH



ELY'S CREAM BALM
This Remedy is a Specific, Sure to Give Satisfaction. GIVES RELIEF AT ONCE.
It cleanses, soothes, heals, and protects the diseased membrane. It cures Catarrh and drives away a Cold in the Head quickly. Restores the Senses of Taste and Smell. Easy to use. Contains no injurious drugs. Applied into the nostrils and absorbed. Large Size, 50 cents at Druggists or by mail; Trial Size, 10 cents by mail.
ELY BROTHERS, 56 Warren St., New York

NOTICE OF FINAL SETTLEMENT

Notice is hereby given, that the undersigned, administrator of the estate of Samuel A. Gettings, deceased, has filed in the County Court of Lane County State of Oregon, his final account as such administrator of said estate and that Saturday the 24th day of June, 1905, at the hour of 1 o'clock p. m. has been fixed by said Court as the time for hearing of objections to said account and the settlement thereof.
J. R. COOLEY,
Administrator of the estate of Samuel A. Gettings, deceased.

Wagonmaking, blacksmithing and general repair work at J. H. Baker's shop. Every guarantee of good workmanship given.

THE COTTAGE GROVE Cigar Factory
THOS. CONGER PROPRIETOR
I am putting up a high grade 10 cent cigar
The C. G. Brand
Bohemia, a 5c Cigar
Made from the very best imported and domestic tobaccos. They are for sale at all cigar stands in the city.
PATRONIZE HOME INDUSTRY

Imperial Hotel
Cottage Grove, Oregon
Headquarters for commercial and mining men.
American and European Plan
Special rates to families. One block from S.P. Depot
REASONABLE RATES

Cottage Grove HOTEL
MRS. I. E. THOMPSON.
Rates per day \$1.00
Room and board, per week \$4.50

O. & S. E. R. R. CO.
Time Table No. 4
To take effect April 24, 1905.
East Bound 3 and 4 Tuesday W. Bound
1 and Daily Ex-
cept Sunday.
No. 3—No. 1
P.M. (A.M.) M. STATIONS Elev. (A.M.) P.M.
2:30 7:30 9 1/2 Cottage Grove 671 11:10 5:35
2:50 7:50 8:2 Walden 710 10:49 5:55
3:10 8:10 5 Currin 737 10:44 4:28
3:30 8:30 6.25 Fro Gordio 770 10:38 4:20
3:48 8:48 7.2 Baker 807 10:30 4:10
3:14 8:14 8.3 Dorena 841 10:30 4:34
3:17 8:17 9.6 Red Hook 891 10:28 4:58
3:35 8:35 10.6 Gravel Pit 901 10:20 4:28
3:35 8:35 11.3 Stewart 914 10:11 4:28
3:38 8:38 12 Star 1017 9:48 4:31
3:41 8:41 12.8 Rocky Point 1046 9:45 4:51
3:50 8:50 13.6 Red Briggs 1060 9:35 4:51
3:55 8:55 15.6 Wildwood 1060 9:30 4:50
..... 17.0 Hunt's
..... End of Track
Subject to change without notice.
All outward freight forwarded only at the joint risk of shipper and consignee. Stages leaves Wildwood after the arrival of train on Mondays, Wednesdays and Fridays for Bogota and Orseco. Returning on Tuesdays, Thursdays and Saturdays.
Freight will not be received at the O. & S. E. R. R. Depot after 5:30 p. m. To insure forwarding on next train, freight must be delivered in ample time to permit of its being billed.
A. B. WOOD, Manager
ARRIVAL AND DEPARTURE OF S. P. TRAINS.
SOUTH BOUND SOUTH SHOTED
No. 12 11:53 p.m. No. 11 3:05 p.m.
No. 16 2:02 a.m. No. 15 2:21 a.m.