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Rations in Beef Production.

Some of the general conclusions drawn from tests in rations for beef production by the Nebraska Station follow:

"Alfalfa hay with corn alone gives large and profitable gains... The use of well-cured corn stover with alfalfa and corn, while it may not produce larger gains, will make the gains less costly because of its low market value, thereby increasing the profits over corn and alfalfa alone."

"When alfalfa is made at least half of the roughness with prairie hay or corn stover, good gains may be made and at less cost than when no alfalfa is fed, the protein being supplied by the use of linseed meal. In other words, it is possible to grow protein on the farm at a price much below what it will cost on the market in the form of some commercial protein food."

"The results of a single experiment in which but little more than half a full feed of corn was supplied two lots of fattening steers suggest the possibility of making a larger use of hay in finishing cattle for market than is ordinarily made and at less cost, especially where hay is relatively low and corn high in price."

"From a commercial point of view the results of this entire series of experiments go to show that cattle feeding can be made profitable when discretion is used in the selection of foods for the ration."

Condimental Stock Foods.
Data regarding the character of the ingredients in condimental stock foods, the results obtained in feeding tests with such materials, and formulas for making such foods at home are summarized in a Wisconsin bulletin. The author's conclusions follow:

Stock foods are of no benefit to healthy animals when fed according to manufacturers' directions either as to increasing the digestibility of the feed eaten or rendering it more effective for production of meat, milk, wool, etc.

They are of no benefit as a cure-all for diseases of the various classes of live stock; neither do they possess any particular merit in case of specific diseases, or for animals out of condition, off feed, etc., since only a small proportion of ingredients having medicinal value is found therein, the bulk of the

ALASKA-YUKON PACIFIC EXPOSITION

LIBERTY BELL GOES TO THE A-Y-P EXPOSITION AT SEATTLE.

Seattle, Feb. 8.—The Liberty bell, one of the famous relics of the national birth, now in the old statehouse in Philadelphia, will make a journey across the continent to the Alaska-Yukon-Pacific Exposition at Seattle. Aside from the reverent enthusiasm the Liberty bell would arouse during its escort from Philadelphia to the exposition city by a guard of honor, it would prove an attractive feature for the fair.

"Though on an opposite side of the continent we are proud of being an integral part of the republic and our citizens avail themselves of every opportunity to inculcate the spirit of patriotism," writes Mayor John F. Miller, of Seattle, to Mayor John E. Reyburn, of Philadelphia. In his request on behalf of the people of this city to have the Liberty bell on exhibition at the 1909 fair, "Especially do our people revere the memory of Washington, whose name was bestowed upon our commonwealth with the widest purpose of extending the spirit of those independence days to the utmost confines of the nation. Under the lead of Rainer chapter, Daughters of the American Revolution, the people are providing for a fine heroic statue in bronze of Washington," continues Mayor Miller.

"This statue will remain a permanent ornament on the campus of the University of Washington. Thus you will see the kind of a community into which we invite you to bring the bell."

"Philadelphia has always been loath to allow the Liberty bell to go beyond the city," writes Mayor Reyburn to Mayor Miller, "but, on those occasions which have seemingly warranted the taking of such risk the bell has been sent to various exhibitions. The chief objection to sending the bell away from the city is the danger of its being injured in transit, as we have learned to revere and venerate this precious relic of our ancestors."

"I feel that to carry the bell to Seattle will be but to carry the message of freedom across the continent from the East to the West, and if there is anything that I can do to bring about this end, I assure you that it will be done. Of course, as I have stated in previous letters to your officials interested in this movement, it is a matter to be decided by the city council."

The city council, chamber of commerce, Commercial Club and the Pennsylvania Society, composed of several thousand former residents of Pennsylvania, have passed resolutions inviting the mayor and city council of Philadelphia to send the Liberty bell to Seattle. The legislatures of both Oregon and Washington have forwarded communications to Gov. Stuart and members of the Pennsylvania legislature asking for co-operation in the matter of having the Liberty bell sent to Seattle for exhibition at the fair and the Portland Rose Festival. People of the Northwest would be interested in seeing the famous Liberty bell and the exhibition of the relic at the exposition would give thousands of loyal American citizens who will visit the great Pacific fair an opportunity of viewing the bell for the first time.

The natural beauty of the grounds and the magnificent floral display is one of the chief attractions of the Alaska-Yukon-Pacific exposition. The display of lotus poles will be a novel feature in the decorations of the grounds of the Alaska-Yukon-Pacific exposition.

A motor boat race from Seattle to Juneau, Alaska, and return will be run next summer for a trophy offered by the Alaska-Yukon-Pacific exposition. Every large motor boat manufacturer in the United States will participate in the motor boat exhibit at the Alaska-Yukon-Pacific exposition next summer.

Robert Guggenheim will offer a trophy, similar to the Vanderbilt cup, for an automobile race next summer from New York to the grounds of the Alaska-Yukon-Pacific exposition at Seattle.

The American Bankers' Association will have an exhibit at the Alaska-Yukon-Pacific exposition. The annual meeting of the association in 1909 will be held in Seattle, the exposition city. The first convention to be held in Seattle during the Alaska-Yukon-Pacific exposition will be the United Commercial Travelers.

Alaska has the most unique farm in the world—a scientific fox farm. Live foxes, the animals mounted and a fine collection of furs will be shown at the Alaska-Yukon-Pacific exposition to demonstrate what can be done in the way of improving the furs by scientific means.

A collection of six reindeer heads, valued at \$20,000 and said to be the finest collection in the world, will be exhibited at the Alaska-Yukon-Pacific exposition.

All She Possessed.
Mrs. Taylor was away and Mary Ann was ill. Therefore upon Mr. Taylor devolved the duty of dressing 3-year-old Marjorie.

For two hours he wrestled with the toughest problem he had ever been up against. "Going" was slow and arduous. By the time he reached the shoe stage he had become exasperated.

"Those," he commanded, "you shall put on yourself."
Of course she promptly endeavored to put the left shoe onto her right foot. "Marjorie," he roared, "don't you know any better than that? You're putting your shoes on the wrong feet!" Then the tiny child burst into a flood of tears.

Feeding Hogs.

Professor Dietrich of the Illinois Experiment Station devotes his whole time to the study and teaching of swine husbandry, and he says the average market hog should weigh 200 pounds at 8 months of age. For the pig 2 to 8 months old protein is the most important feed. Without protein it cannot build up the lean meat or grow to any size.

Protein is found in skim milk, clover and alfalfa. Corn is nine-tenths carbohydrates. Oats have a little more protein than corn, but not sufficient for the pig. Rye contains a little more protein than does corn. Barley is one of the best feeds on the farm; it contains more protein than does rye. In clover and alfalfa there is a large bulk for the required nutrients and pigs cannot get enough for a maximum growth. Even if you have corn and clover it is still necessary for the young pig to have some protein food—cowpeas, soy beans or Canada field peas. There is nothing better grown on the farm to balance up the ration.

Rape is a bulky feed for fattening, and it is necessary to use nitrogenous feed with it. If you feed clover hay in racks the pigs will not eat as much of it as if it were chopped up as finely as possible, scalded with steam and mixed with stop. You can buy middlings (low-grade flour); it has protein, but not enough. Tankage meal

and blood meal are very much richer than shorts. Perhaps the most concentrated nitrogenous food we have is tankage. It was found by test that 60 per cent tankage contained about 10 per cent of digestible protein. There is danger in feeding too much protein; it is worse than feeding too little.

During the last two months of the feeding period carbohydrates or fattening feeds are of greater importance. We must use feeds that are digestible like corn, wheat, flour or middlings, but bran is practically indigestible for the pig. Oil cake contains as much protein as middlings and ranks with meal, blood meal or oil meal; the last is perhaps better because it contains much ether extract.

It is much better to mix the feeds than to feed corn at one time, and something else at another time. Otherwise the pigs are liable to get too much of the protein feed, lose their appetite for corn and become stunted for their lives.

SALT AS A PANACEA.
Some of the Many and Varied Uses to Which It Is Put.

Salt can almost be regarded as a panacea, so many and varied are its uses, says the Family Doctor.

We are told that it cleanses the palate and furred tongue, and a gangle of salt and water is often efficacious.

A pinch of salt on the tongue, followed ten minutes afterward by a drink of cold water, often cures a sick headache. It hardens gums, makes teeth white and sweetens the breath.

Cut flowers may be kept fresh by adding salt to the water.

Weak ankles should be rubbed with a solution of salt, water and alcohol.

Bad colds, fever and kindred affections may be much relieved by using fine dry salt like snuff.

Dyspepsia, heartburn and indigestion are relieved by a cup of hot water in which a small spoonful of salt has been melted.

Salt and water will sometimes revive an unconscious person when hurt if brandy or other remedies are not at hand. Hemorrhages from tooth pulling is stopped by filling the mouth with salt and water.

Weak and tired eyes are refreshed by bathing with warm water and salt.

Many public speakers and singers use a wash of salt and water before and after using the voice, as it strengthens the organs of the throat.

Salt rubbed into the scalp or occasionally added to the water in washing prevents the hair falling out.

California Colorado

Ever tried it in Winter?

Every one gives first place to the California via Colorado Route for magnificent scenery but many people think that in winter they must avoid this route or be snowbound. A great mistake, for in Colorado there is more sunshine than in Florida and less snow than in any state east of the Missouri River—there is less delay from snow blockades on this route than on the other and less attractive ones. Through Pullman Standard and Tourist Sleepers daily from principal Burlington Route Stations to California via Denver and Salt Lake. Parties under personal escort through to destination several times each week. Please see me for particulars.

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The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is catarrh. Hall's Catarrh Cure is the only positive cure now known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers that they offer one hundred dollars for any case that it fails to cure. Send for list of testimonials.

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Sold by all druggists, 75c. Take Hall's Family Pills for constipation.

WANTED.

Those interested to know that this is the most favorable time to have their catch basins looked after. A stitch in time saves nine, so by having yours cleaned and repaired now you may avoid a clogged up sewer; also a heavy bill of expense.

Please leave order with Frankenberg, Plumber, South Main street, Phone No. 724. No charge for inspection.

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