

Look For This Name

Libby's On Packages of **Olives and Pickles**

—It's a quality mark for exceptionally good table dainties. Our Mazanilla and Queen Olives, plain or stuffed, are from the famous olive groves in Spain.

Libby's Sweet, Sour and Dill Pickles are piquant and firm. Your summer meals and picnic baskets are not complete without them.

Insist on Libby's at your grocer's.

Libby, McNeill & Libby Chicago

BIG PROBLEM FOR LIVE-STOCK INDUSTRY



Cattle in Buffalo Pasture, Flathead Indian Reservation, Montana.

(Prepared by the United States Department of Agriculture.)

The gradual but steady decline in the carrying capacity of native pastures presents a serious problem for the live-stock industry. The average carrying capacity of the 300,000,000 acres of public lands outside of the national forests, which are practically all used for grazing purposes, is today estimated at 25 per cent less than what it once was. The privately owned pastures show the same decline. On the other hand, the carrying capacity of much of the unfenced grazing lands within the national forests has been increased in recent years by the adoption of what is known as deferred grazing.

This system is explained in an article in the new Yearbook of the department of agriculture, "Improvement and Management of Native Pastures in the West." This article gives as the causes of pasture deterioration overstocking and premature grazing. It has been the general belief that if stock came off the range in satisfactory condition the range was not overstocked. In the majority of cases, however, this is not true. Animals which are allowed to graze the green feed of the choice forage plants nearly as fast as it grows may in the time being get enough to eat, but to rob the plants continuously of this forage robs them also of their laboratory for manufacturing plant food, and they are gradually starved out of existence. In the course of five years or so, the better forage plants are gradually reduced and their places taken by less desirable grasses and weeds. The condition of the stock, therefore, is not in itself a safe way to judge whether a range is overstocked or not.

Premature grazing is injurious not only because the vegetation, when soft, is badly damaged by trampling, but because the plants are not allowed to mature their seed. In practice, some part of the range must be grazed early in the year. When deferred grazing is adopted, however, a part of the range is set aside and the seed allowed to mature before the plants are grazed.

Deferred grazing was first practiced by the forest service of the United States department of agriculture in studies on the depleted ranges of an area in northwestern Oregon. An area with one-fourth the carrying capacity required for a band of sheep for an entire season was protected against grazing until the important plants on it had matured seed. After which it was heavily grazed. This caused the sheep to aid in planting the seed by trampling it into the ground. The following year the same area was again protected until after seed maturity and

was then only moderately grazed. This gave the seedling plants from the first year's seed crop a chance to develop a good root system. By following this course on each quarter of the range in turn the entire area was reseeded naturally without depriving the stock of the forage on any part of the range in any year. The results obtained under this plan were compared with similar ranges grazed throughout the season each year and with fenced areas that were not grazed at all. It was found that deferred grazing resulted in a much greater reproduction from seed than either of the other methods and that the production of good forage species was particularly great. With lands totally protected against grazing the seeds germinate on the surface of the ground, but, not being planted deeply, are unable to reach the moist lower soil and the plants die from drought later in the season.

The principles of deferred grazing are being applied to national forest ranges as rapidly as possible, and the results in practice bear out those secured experimentally. In the Yearbook article already mentioned, a pasture of 600 acres is taken for the purpose of illustrating the practical application of deferred grazing. This is divided by cross fences into three compartments of approximately 200 acres each, arranged so as to give the best distribution of water and shade. Beginning in 1916, No. 1 should be grazed first; No. 2 second; and No. 3 not until the important forage crops have set seed. It may then be grazed heavily. In 1917 area No. 2 should be grazed first, area No. 1 second, and area No. 3 again protected until after seed maturity, and then grazed moderately. The following table shows the management of the three areas for a period of seven years:

Year	Area No. 1	Area No. 2	Area No. 3
1916	First	Second	Third
1917	Second	First	Third
1918	Third	Second	First
1919	First	Third	Second
1920	Second	First	Third
1921	Third	Second	First
1922	First	Third	Second
1923	Second	First	Third

By following this plan the various portions of the range will have not only an equal chance to reseed, but equal protection against grazing during the formative of the growing season. Should one part of the pasture be in greater need of building up than another, it may be advisable to vary the plan to secure a maximum crop over the whole area as soon as practicable. A knowledge of the individual case is necessary in order to decide what variation should be made, but if the principles involved are clear, this should not be a difficult matter.

FARMER ARGUES FOR CALVES IN AUTUMN

Every Condition Is Better for Dairyman Then—Young Animals Get Better Start.

Here are some arguments that a thoughtful farmer puts up for having the cows fresh in the fall instead of spring:

"The fall calf usually gets a better start in the world than the one that arrives in the spring. The farmer will have more time to take care of the calves in winter than summer; the fall pastures are coming on, furnishing the cow an abundance of good green stuff that produces a large milk yield. The fall pastures are more nourishing than the spring grasses, owing to the fact that they do not contain so much water. There are no flies or heat to bother either the cow or calf, and if dropped early enough the calf will get a good start and learn to eat well before cold weather sets in.

"Milk products are much easier taken care of in winter than summer and milk and butter prices are at their best at this time."

EASY TO GROW RASPBERRIES

Bush Will Continue in Bearing for Five or Ten Years—Entirely Unlike Strawberry.

A raspberry bush will continue in bearing for five or ten years according to the attention given, whereas a strawberry patch is not expected to bear more than one or two seasons before it is plowed under and a new plantation set out. There are many people who claim they are so busy they cannot grow strawberries, but this argument will not apply to the raspberry, which everyone has seen flourishing in the fence corners of the field, growing wild without any attention whatever.

Crude Oil Good for Hog Lice. Crude oil is a good remedy for hog lice. It may be applied with a sprinker, when the hogs are confined in a small inclosure, or with a spray pump. It is also a good idea to pour some of it on top of the pools in which they wallow.

Makes Tractor Cost More. The recent advance in the price of gasoline—whether necessary or merely speculative—is a factor that farmers are discussing at every crossroads schoolhouse.

When Fruits Are Best. Fruits are usually at their best when served fresh, ripe and in season, and there are but few with whom they do not agree. Those who cannot take them in the raw state often find them acceptable when cooked.

Method of Farming. Good farming is not so much in what we do as in the way we do it.

Need for a Silo. If you have ten or more cows, you need a silo.

And Then Some. "Why do they call that particular type of craft a catboat?" "Because to go out in it one should have nine lives."

BABIES AND GROWING CHILDREN need a tonic to tone up the system and regulate the liver. Mothers are constantly using with wonderful success, our "Plantation" Chill and Fever Tonic. Pleasant to take—contains no Calomel. Price 50c.—Adv.

The Right Word. "Ma husband's very polly, ma'am. He's got dat exclamatory rheumatism." "You mean inflammatory, Martha. Exclamatory is from exclaim, which means to cry out."

Seven-League Boots. Two Saxon cavalrymen were overheard in conversation. One was a big fellow from a guard regiment, the other was a little fellow—a Hussar. Each was standing up with the big guardsman. "Do you know, you runt," said he, "that when a company of you pygmies come along and you find a guard's cast-off boot lying on the road, your captain calls out: 'Look out for the tunnel!'"

Conservative.

There was once a lady from Dexter, Ia., who spent five solid hours rooted to one spot on the rim of the Grand Canyon, during which time the strong light of the desert afternoon melted into pools of turquoise and purple haze; the mile-long shadows flung themselves into the depths or went striding across the plateaus. "I'll be picking the pockets of my own soul here in a minute. But, anyway, I am trying to tell you that this lady from Iowa witnessed a sunset in the Grand Canyon; and when night came she found her tongue.

"It is highly gratifying," she sighed. "Yes—highly gratifying!" "If you will not take my word for it, take the word of the Iowa lady. She was cautious, even conservative; she did not overstate the case.—C. E. Van Loan, in the Saturday Evening Post.

Ordered to Be Ignorant.

Miscellany has received a letter from the front for its readers. It gives one or two little stories of actual incidents which have occurred in the writer's regiment somewhere in France: All ranks, as soon as they land in France, are urgently warned against answering questions asked by people whom they don't know—even though the questioner is apparently a British officer, for enemy agents have been found in the uniform of all ranks. A certain conscientious young sub was in the front line the other day when a major of the divisional staff came along and began questioning the boy, with a view of testing his alertness and efficiency.

"What trench is this?" "I don't know, sir."

"What regiment is on your right?" "I don't know, sir."

"How do your rations come up?" "I don't know, sir."

"Well, you don't seem to know much, young fellow, do you?" "Excuse me, sir, but I don't know who you are."—Manchester Guardian.

For Pure Goodness

and delicious, snappy flavor no other food-drink equals

POSTUM

Made of wheat and a bit of wholesome molasses, it has the rich snap and tang of high-grade Java coffee, yet contains no harmful elements.

This hot table drink is ideal for children and particularly satisfying to all with whom coffee disagrees.

Postum comes in two forms; the original Postum Cereal requires boiling; Instant Postum is made in the cup instantly, by adding boiling water.

For a good time at table and better health all 'round, Postum tells its own story.

"There's a Reason" Sold by Grocers everywhere.

FAT FOR CHILDREN

FORMS A MOST IMPORTANT PART OF THEIR DIET.

If Milk and Salad Oils Are Fed in Any Quantities It Is Well to Avoid Other Foods That Contain Much Fat.

Fat is an important part of the food of children. This is not surprising, for it is found in considerable amounts in human milk, the natural food for babies. Butter, which consists chiefly of separated milk fat, and cream, which is rich in milk fat and also in the other nourishing substances of milk, are both wholesome. Salad oils of various kinds (olive, cottonseed, peanut and others) may be given to children in small amounts. Those who are not used to table oil must often be trained to like it. This can usually be done by introducing it very gradually into the diet. A good way to serve it is on spinach and other greens or on tender salad vegetables.

There is more than an ounce of fat (at least 2½ level tablespoons) in a quart of whole milk. If the healthy child is given a quart of milk, has butter on its bread, and meat or an egg once a day, he gets enough fat, and that which he receives is in wholesome form. It is well, therefore, not to give such fatty foods as pastry, fried meats and vegetables, and doughnuts or rich cakes, for in these the fats are not in so good a form for children, as experience has shown. If the child is constipated, the occasional use of cream or salad oil is desirable, for fat in abundance is laxative.

Bacon or salt pork, cut very thin and carefully cooked, may be given occasionally, but thick pieces with much lean are not desirable. In preparing bacon or salt pork it is very important not to burn the fat. To avoid this they should be cooked in one of the following ways: Put the slices on a broiler or wire frame over a pan; place the pan into a hot oven and cook long enough to remove most of the fat. Or keep a pan on purpose for cooking bacon on top of a stove and let the fat which fries out of it collect in the pan, taking care that none is burned. In time so much fat will collect that bacon can be dropped into this hot fat, and will be less likely to burn than if placed on a hot pan.—Farmers' Bulletin 717, "Food for Young Children."

Relish for Tea.

Hard-boil six eggs, remove the shells and cut the eggs into halves crosswise and carefully take out the yolks. Mash to a paste with a little finely minced cold fowl, season to taste with salt and pepper and add one tablespoonful of minced parsley, one tablespoonful each of melted butter and made mustard and a dash of cayenne pepper. When thoroughly mixed fill into the whites. Heat a cupful of fowl stock, season with salt, pepper and a teaspoonful of minced parsley, add three tablespoonfuls of cream mixed with one teaspoonful of cornstarch. Let boil two minutes and pour over the eggs. Cover closely and set in the oven for five minutes. Serve at once.

To Make Spice Cake.

Spice cake which keeps well may be made as follows: Cream one cupful of sugar and one cupful of butter (or one cupful of butter and lard mixed), add one cupful of strong coffee, two lightly beaten eggs, one and one-half teaspoonfuls soda dissolved in a tablespoonful boiling water; one teaspoonful each of cinnamon, cloves, allspice and one-half of a nutmeg (grated), one-fourth teaspoonful salt, one-fourth pound raisins or currants and two and one-half cupfuls of flour sifted twice. Stir well and bake three-quarters of an hour in a moderate oven.

Candied Grapefruit.

Homemade candied grapefruit rind is delicious, and here is the method to make it:

An excellent candy can be made from grapefruit rind. Cut rind into strips one inch long and half inch wide. Soak in a brine made of one cupful of salt to two cupfuls of water for 24 hours. Then put in water and cook until tender. Drain and cook again in a sirup of two cupfuls of sugar to one cupful of water for one hour. Take out the pieces and roll in granulated sugar and lay on plates to dry.

Chicken Broth.

One chicken or fowl, one carrot, one onion, one turnip, two stalks celery, one teaspoonful salt, two tablespoonfuls flour, two tablespoonfuls barley, three pints water.

Cut the vegetables up, lay them at the bottom of a stewpan, on them place the joints of the fowl, and add the water and barley; simmer slowly two and one-half hours, moisten the flour with a little water, add it and the salt to the broth, stir till the flour thickens, strain and serve.

Apricot Souffle.

Rub enough fruit through a sieve to make three-quarters of a cupful of pulp. Heat and sweeten to taste. Beat the whites of three eggs to a stiff froth, add the hot fruit and continue beating. Turn it into well-greased molds and set in a pan of hot water and bake until set, about 20 minutes.

Fine Grained Cake.

One egg, one cupful sugar, one-half cupful of butter, one and one-half cupfuls flour, one and one-half teaspoonfuls baking powder, one-half cupful milk, flavor. Bake in round tins. Put together with jelly. Frost with a tablespoonful butter, one cupful of powdered sugar, little milk and flavor.

Mock Champagne.

For the blistering August days is a drink of cider prepared so that it has all the sparkle and luster of champagne and enough of the taste to deceive. Get fresh sweet cider, boil it down half and put away in sealed bottles. Served with a carbonated water it is unexcelled.

FRECKLES CALOMEL MAKES YOU SICK, UGH!

Now Is the Time to Get Rid of These Ugly Spots.

There's no longer the slightest need of feeling ashamed of your freckles, as the prescription ointment—double strength—is guaranteed to remove these homely spots. Simply get an ounce of ointment—double strength—from your druggist, and apply a little of it night and morning and you should soon see that even the worst freckles have begun to disappear, while the lighter ones have vanished entirely. It is seldom that more than one ounce is needed to completely clear the skin and gain a beautiful clear complexion.

Be sure to ask for the double strength ointment as this is sold under guarantee of money back if it fails to remove freckles.—Adv.

Who Is the Boss?

The superintendent of a big department store in Boston conducts a school of salesmanship in his establishment, and one of the first questions he puts to his class of beginners is: "Who is the boss?"

After salesman pupils have guessed every official about the establishment, the superintendent explains. "No, no, no; he is not the boss. The real boss in this store is the customer. It's the customer that you and I are here to please. It's the customer who pays your wages and mine. Now, if you are sitting behind your counter, doing nothing, and you see me coming, don't jump up; but if you see the customer—the boss—coming, jump! That always makes a deep impression."

The lesson is a good one to memorize.—Retailers' Journal.

AN ARKANSAS MAN TESTIFIES

Mr. J. T. Dunn, Charleston, Ark., writes: "My wife was in very poor health, not able to do her housework and in bed part of the time. The doctor said she had tuberculosis and had had it some eight or ten years and said that there was no medicine that would do her any good. Having noticed your advertisement of Lung-Vita we decided to try a bottle. She has taken four bottles and is now on her fifth. She says that she feels as well as she ever did and has gained eleven pounds in weight. We can gladly recommend your medicine to all suffering likewise."

Lung-Vita is recommended for consumption and asthma. If you suffer from either of these ailments try a thirty-day treatment of Lung-Vita. It has helped others—why not you? Price \$1.75. Nashville Medicine Company, Dept. A, Nashville, Tenn. Adv.

Experimenting on Wheat.

The slender angular head of the wheat stalk with its needle-like barbs—the characteristic of the American-grown crop—is doomed, if Professor William F. Freedman, graduate of Cornell University, is successful in experiments in wheat production. Professor Freedman has at his disposal wheat specimens gathered from all quarters of the globe. Among them is the "beardless" and "forked-head" product of Russia. His experiments aim primarily to reproduce an acclimated American wheat that possesses the "beardless" and "forked-head" or triploid properties of the Russian stalk.

Not Enough.

"Yes," said the business man to the college graduate who had applied for a job, "I think I can find a place for you, but of course you will have to start at the bottom of the ladder. Your salary will be \$10 a week to begin with."

"Ten dollars!" exclaimed the young man. "Why, my father has been paying me more than that for going to college."

RED CROSS BALL BLUE

Insures snowy white beautiful clothes on washday. Buy Red Cross Blue, not just cheap liquid blue which makes your clothes greenish yellow. Red Cross Ball Blue large packages cost only 5 cents. All good grocers sell it.—Adv.

How Many?

"I would love if I dared," said the enthralled young man to the fair telephone operator, "to press some kisses upon those ruby lips."

"Yes," said she, abstractedly. "Number, please."

ON FIRST SYMPTOMS

use "Renovine" and be cured. Do not wait until the heart organ is beyond repair. "Renovine" is the heart and nerve tonic. Price 50c and \$1.00.—Adv.

The less veracity a man has of his own the more he admires it in other men.

For poisoned wounds use Hanford's Balm of Myrrh. Adv.

Some men are long on dollars and short on common sense.

IT'S MERCURY AND SALIVATES

Straighten Up! Don't Lose a Day's Work! Clean Your Sluggish Liver and Bowels With "Dodson's Liver Tone."

Ugh! Calomel makes you sick. Take a dose of the vile, dangerous drug tonight and tomorrow you may lose a day's work.

Calomel is mercury or quicksilver which causes necrosis of the bones. Calomel, when it comes into contact with your bile crashes into it, breaking it up. This is when you feel that awful nausea and cramping. If you feel sluggish and "all knocked out," if your liver is torpid and bowels constipated or you have headache, dizziness, coated tongue, if breath is bad or stomach sour, just try a spoonful of harmless Dodson's Liver Tone.

Here's my guarantee—Go to any drug store or dealer and get a 50-cent bottle of Dodson's Liver Tone. Take a spoonful tonight and if it doesn't

straighten you right up and make you feel fine and vigorous by morning I want you to go back to the store and get your money. Dodson's Liver Tone is destroying the sale of calomel because it is real liver medicine; entirely vegetable, therefore it cannot salivate or make you sick.

I guarantee that one spoonful of Dodson's Liver Tone will put your sluggish liver to work and clean your bowels of that sour bile and constipated waste which is clogging your system and making you feel miserable. I guarantee that a bottle of Dodson's Liver Tone will keep your entire family feeling fine for months. Give it to your children. It is harmless; doesn't gripe and they like its pleasant taste.—Adv.

Up to the Audience.

Mr. Seymour Hicks relates with great relish the following yarn.

When he was going to play Richard III, the hump-backed king, a well-known dramatist remarked to him:

"Seymour, I hear you are going to play Richard?"

"Yes, I am," replied Mr. Hicks.

"Ah, well," the other remarked, thoughtfully, "you'll be saved some trouble in the make-up. You won't have to wear a hump."

"Why not?" Mr. Hicks asked, rather surprised.

"Oh, your audience will have that," was the prompt reply.

Their Part in the War.

A process has just been developed in the department of agriculture by means of which insects and pests may be killed by electricity. The process consists in the application of salt water to the ground that is to be treated, and then causing a current of electricity to pass through the soil. The current generates a gas which will instantly kill all germs, larvae and insect pests in the soil, without in any way injuring the vegetation. A large area of ground can be treated by digging shallow trenches in which a powerful current can be developed.

Co-Operators.

Nearly 770,000 persons, largely successful farmers, are now aiding the United States department of agriculture by furnishing information, demonstrating the local usefulness of new methods, testing out theories, experimenting and reporting on conditions in their districts—by helping, in short, in almost every conceivable way to increase the knowledge of the department and to place that knowledge at the service of the people.

For Galled Horses.

When your horse is galled, apply Hanford's Balm of Myrrh and you can keep on working. Try it and if your horse is not cured quicker than by any other remedy, the dealer will refund your money. Adv.

Plenty of It.

"My dear, sir, I am an agent for this wonderful heater. Will you not let us keep you in hot water in your home?"

"Thanks—quite unnecessary. My wife attends to that."

IMITATION IS SINCEREST FLATTERY

but like counterfeit money the imitation has not the worth of the original. Insist on "La Creole" Hair Dressing—it's the original. Darkens your hair in the natural way, but contains no dye. Price \$1.00.—Adv.

The woman who is a slave to fashion

should never marry a man who is averse to the financial encouragement of slavery.

—False friends are like your shadow—they are with you only in the sunshine.

To remove soreness use Hanford's Balm of Myrrh. Adv.

The best some people can do is think near thoughts.

Electricity Kills Insect.

A process has just been developed in the department of agriculture by means of which insects and pests may be killed by electricity. The process consists in the application of salt water to the ground that is to be treated, and then causing a current of electricity to pass through the soil. The current generates a gas which will instantly kill all germs, larvae and insect pests in the soil, without in any way injuring the vegetation. A large area of ground can be treated by digging shallow trenches in which a powerful current can be developed.

Several young chubmen met recently

and the question of the war became the chief topic of conversation. They felt awfully sorry for the poor soldiers in the trenches. "We ought to do something for them," said one. "So we should," advised another. A third member, in speaking of this a few days later, remarked, "So we drank their health all evening."—London Mail.

To Fortify the System Against Summer Heat

Many users of Grove's Tansley's Chill Tonic make it a practice to take this old standard remedy regularly to fortify the system against the depressing effect of summer heat, as those who are strong withstand the heat of summer better than those who are weak. Price 50c.

The Reason.

"Only a human paradox can put a weather sign on a steplee." "Why so?" "Because he is the only kind of man who can be successful in a vane attempt."

A HINT TO WISE WOMEN.

Don't suffer torture when all female troubles will vanish in thin air using "Femina." Price 50c and \$1.00.—Adv.

A man's friends are apt to avoid him for a few weeks after his return from his first trip abroad.

Keep Hanford's Balm in your home. Adv.

It's the bald-headed man who never says "dye."

MEN AND WOMEN

Kidney trouble preys upon the mind, saps courage and lessens ambition; beauty, vigor and cheerfulness often disappear when the kidneys are out of order or diseased. For good results use Dr. Kilmer's Swamp-Root, the great kidney remedy. At druggists. Sample size bottle by Parcel Post, also pamphlet. Address Dr. Kilmer & Co., Binghamton, N. Y., and enclose ten cents. When writing mention this paper.

Give Your Liver a Chance

Take a time tried and proven remedy for Liver Complaints, Constipation, Biliousness, Jaundice, Kidney Troubles, Impure or Bad Blood, Pimples, Indigestion. If suffering from these take

Dr. Thacher's Liver and Blood Syrup

Your Liver and Kidneys are your best friends if you keep them in good condition, but when neglected they become your most dangerous enemies. If you are bilious or constipated you should immediately take this great preparation—50c and \$1.—all druggists.

Children Cry For

Fletcher's

CASTORIA

What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic, all Teething Troubles and Diarrhoea. It regulates the Stomach and Bowels, assimilates the Food, giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

GENUINE CASTORIA ALWAYS

Bears the Signature of

Dr. J. C. Fletcher

In Use For Over 30 Years

The Kind You Have Always Bought

THE CENTAUR COMPANY, NEW YORK CITY.