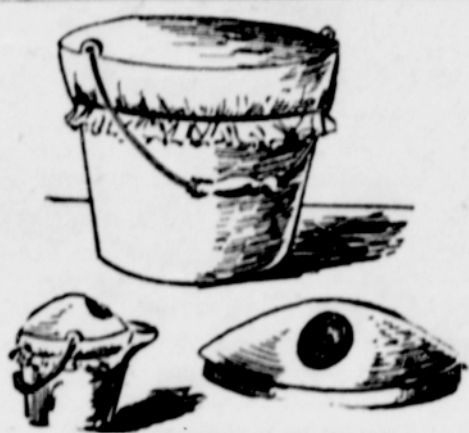




Protected Milk Pail.

That many of the odors and much of the dirt which gets into milk is during the process of milking, most of us know, hence every precaution to overcome this should be taken. One of the best methods of protecting the milk in the pail is to arrange a cover of tin and cheese cloth. Have a tin cover made to go over the pail loosely so as to allow for the space taken by the cloth strainer. The tin cover should be higher in the center than at the sides (see small cut to right) and a hole about four inches in diameter made in the front center through which the milk is directed. Then have plenty of cheese cloth covers large enough to reach five or six

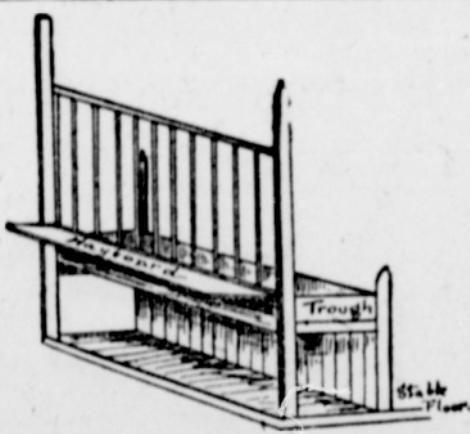


THE PROTECTED MILK PAIL.

inches over the side of the pail, where it may be secured by a tape or by slipping a hoop of sheet iron of proper size over it, and pushing it down hard. Put on one of these covers, then the tin cover, and you are ready for milking. The cheese cloth will prevent any filth getting to the milk, and if these covers are washed in boiling water and sundried they may be used a number of times. The illustration shows the idea plainly, the cut to the lower left showing the pail complete with the strainer and the larger cut showing how the cloth is slashed at intervals so it will fit around the pail without trouble.—Indianapolis News.

Economy Horse Manger.

This is intended for 6-foot stall and can be any width. Stall posts are set up in front of troughs also, two feet back, with cross piece mortised into each, two feet from floor, for trough to rest on. Trough two feet wide, 7-inch breast plank, 9-inch front. Entire trough made of 2-inch oak plank. Hay board two feet wide, one inch thick, hinged to edge of trough. Brace on outer edge of board to bottom of trough. I use an old buggy top joint. Board can be dropped down out of way when not in use. Rack fits space between stall posts, hinged at top so as to swing back when placing grain feed in trough. Rack is made of 2x2-inch hemlock, corners smoothed off. Horses will not chew hemlock. Rack can be made of iron or any kind of wood. No



ECONOMICAL HORSE MANGER.

animal can toss hay from this manger or waste any grain.—C. E. Scroggs, in Farm Progress.

Thirsty Lands.

According to an expert in the employ of the Interior Department, the enormous basin drained by the Missouri River absorbs no less than 88 per cent of all the rain that falls upon it, whereas the basin of the Ohio River absorbs only 70 per cent. The amount of rainfall in the course of a year is proportionately greater in the Ohio than in the Missouri basin, and so the former river, although much the shorter of the two, contributes more water to the Mississippi than does its gigantic rival from the west.

Dustless Road Test.

At Sharon Hill, Pa., automobilists and horsemen are deeply interested in a mile of dustless and waterproof roadway that is being constructed by the Darby & Chester Turnpike Company as an experiment. The cost of the mile is to be \$1,200. The new substance, which is known as Westernite, is a German invention. It is said, and has been imported only eight weeks. It is mixed and spread like cement. A German expert has charge of the work. The experimental mile is being laid at Ridley Park.

Weeds in Corn.

The corn plant is a grass feeder and accepts any kind of manure that may be applied, but it will not thrive in partnership with any other plants, for which reason it must be kept free from grass and weeds, in order to have it mature before frost comes in the fall, which necessitates the frequent use of the cultivator. The clean preparation of the land before planting and the stirring of the surface soil after every rain destroys weeds and grass, which permits the farmer to accomplish such task at the least cost, as he benefits the corn crop while preparing the land for another the following season. For this reason, where large fields are cultivated, there can be no substitute for corn, and whether prices rise or fall the corn crop is a necessary adjunct to farming in this country. On the farm its value is not confined to its grain alone, but the entire plant can be utilized for some purpose. It is, therefore, the most inexpensive preparatory crop known. Every farmer aims to secure a crop of corn, and late planting is resorted to rather than incur total failure. Success with a late-planted crop depends upon the condition of the soil, the variety and the mode of cultivation, but the main drawback is the appearance of frost early in the season, which, however, does not frequently occur.

Peaches Peeled with Lye.

The method of the California Fruit Canners' Association at San Jose of using lye for eating off peach skins as a substitute for paring was investigated by a member of the California State Board of Health. By this process the fruit is immersed in the hot lye and quickly passed into pure cold water, which is constantly changing and quickly washes away the alkali. The process is believed to be entirely cleanly and the fruit healthful, the peaches not being handled as they must be when peeled by hand. Two cans of peaches thus prepared were analyzed with reference to acid content. In both practically the normal amount of acid was found. It is stated that the same process is used with prunes.

Hay Stacker.

The hay derrick shown here is for stacking hay in the field. The skids are 10x12 inches, 16 feet long. The two cross pieces are 8x10 inches, 8 feet long, each set in 2 inches. The upright



FOR STACKING HAY.

post is 8x8, and 9 feet high. The three braces are 4x4, or round poles. The boom pole is 32 feet long, 4 inches at top and 8 or 10 at butt. The chain can be shortened to raise the boom or lengthened to lower. The boom is swung by a swing rope, as can be seen. "A" shows the fork on which boom pole is swung. The hole in the post is lined with a piece of gas pipe with solid plug in bottom. A 6-tine grapple fork can be used.

Handling Guinea Fowls.

Young guinea fowls are quite tender and need feeding frequently, say every two hours, for a week or two. They can be raised successfully if fed similar to turkeys or young chicks with a variety of feed, including small seeds, etc. They must have pure water and shade and some animal feed, such as worms, grubs, or green bone. Mrs. Tate wrote to Farm and Home that her chicks are fed equal parts of bran, cornmeal, crushed rice, and a little bone-meal, and some ground raw potatoes each day after the first week. Chicks are fed all dry food in hoppers, so none is wasted or soiled. They are fed all they can eat of the dry corn, meal, bran and crushed rice. Gravel and fresh water are kept before them all times. Water must be in tin and galvanized drinking fountains so chicks can just get their heads in, but not their feet.

New System of Cheese Making.

A large cheese factory is projected in the province of Ontario, Canada, by New York produce merchants, reports Consul Van Sant from Kingston. The factory is to be operated on an entirely new system of cheese-making. White cheese is now in great demand at Liverpool, being 48 cents higher than colored.

Calf Feeding.

In 112 days calves fed whole milk in a feeding test in England gained 1.5 pounds per head per day as compared with 1.07 pounds with those fed separator skim milk and cod liver oil. About four ounces was found to be the maximum amount of oil which could be fed. A feed relished by calves was made up of oatmeal, ground linseed meal, linseed cake, and lentils 8:5:3:4, cooked over night with a small quantity of salt and molasses, and fed warm in the proportion of three pounds of meal to five quarts of water.

THE KING OF BLOOD PURIFIERS

No other remedy has given such perfect satisfaction as a blood purifier and tonic or is so reliable in the cure of blood diseases of every character as S. S. S. It is known as "The King of Blood Purifiers," and the secret of its success and its right to this title is because **"IT CURES DISEASE."**

It is an honest medicine, made entirely of purifying, healing roots, herbs and barks, which are acknowledged to be specifics for diseases arising from an impure or poisoned condition of the blood and possessing tonic properties that act gently and admirably in the up-building of a run-down, weakened or disordered condition of the system.

One of the greatest points in favor of S. S. S. is that it is the only blood remedy on the market which does not contain a mineral ingredient of some kind to derange or damage the system. It is the one medicine that can be taken with absolute safety by the youngest child or the oldest member of the family, and persons who have allowed their systems to get in such condition that most medicines are repulsive to the stomach will find that S. S. S., while thorough, is gentle and pleasant in its action, and has none of the nauseating effects of the different mineral mixtures and concoctions offered as blood purifiers.

As every part of the body is dependent on the blood for nourishment and strength, it is necessary that this vital fluid be kept free from germs and poisons. So long as it remains uncontaminated we are fortified against disease, and health is assured; but any impurity, humor or poison acts injuriously on the system and affects the general health. Pustular eruptions, pimples, rashes and the different skin affections show that the blood is in a feverish and diseased condition as a result of too much acid or the presence of

some irritating humor. Sores and Ulcers are the result of morbid, unhealthy matter in the blood, and Rheumatism, Catarrh, Scrofula, Contagious Blood Poison etc., are all deep-seated blood disorders that continue to grow worse as long as the poison remains.

But all blood diseases are not acquired; some persons are born with an hereditary taint in the blood and we see this great affliction manifested in many ways. The skin has a waxy, pallid appearance, the eyes are often weak, glands of the neck enlarged, and as the taint has been in the blood since birth the entire health is usually affected.

In all blood troubles S. S. S. has proved itself a perfect remedy and has well earned the title of **"KING OF BLOOD PURIFIERS."** It goes down into the circulation and removes all poisons, humors, waste or foreign matter, and makes this stream of life pure and health-

sustaining. Nothing reaches inherited blood troubles like S. S. S.; it removes every particle of the taint, purifies and strengthens the weak, deteriorated blood, and supplies it with the healthful properties it needs and establishes the foundation for good health. As a tonic this great medicine has no equal, and it will be found especially bracing to weak, anaemic persons.

Rheumatism, Catarrh, Sores and Ulcers, Skin Diseases, Scrofula, Contagious Blood Poison and all other blood troubles are cured permanently by S. S. S., and so thorough is the cleansing of the blood that no trace of the disease is left to break out in future years or to be transmitted to offspring. If you are in need of a blood purifier get **"THE KING"** of them all, S. S. S.—and good results are assured. Book on the blood and any medical advice desired furnished without charge to all who write.

S.S.S.

PURELY VEGETABLE

Diseases, Scrofula, Contagious Blood Poison and all other blood troubles are cured permanently by S. S. S., and so thorough is the cleansing of the blood that no trace of the disease is left to break out in future years or to be transmitted to offspring. If you are in need of a blood purifier get **"THE KING"** of them all, S. S. S.—and good results are assured. Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.

Book on the blood and any medical advice desired furnished without charge to all who write.



Gentlemen:—S. S. S. is used as a family medicine in our home. I myself have taken and always found it what it is claimed to be. It thoroughly cleanses the system of impurities, increases the appetite, improves the digestion, and builds up the general health. I have given it to my children with fine results. It promptly restores the appetite and clears the skin of all eruptions. It is a very fine blood tonic and has my hearty endorsement.

124 S. 9th St., Lebanon, Pa. P. H. THOMPSON.

THE SWIFT SPECIFIC COMPANY, ATLANTA, GA.

MULE TEAM BORAX

By Softening the Water makes the Skin Clear; Removes Pimples and Blackheads; Whitens the Hands; frees the Scalp from Dandruff and makes Beautiful Hair.

All dealers. Free sample Borax and Borax Soap. Booklet and Souvenir Picture 1 color, for 10 cents, and Dealer's name. PACIFIC COAST BORAX CO., Oakland, Cal.

Dr. C. Gee Wo

WONDERFUL HOME TREATMENT

This wonderful Chinese Doctor is called great because he cures people without operation that are given up to die. He cures with those wonderful Chinese herbs, roots, buds, barks and vegetables that are entirely unknown to medical science in this country. Through the use of those harmless remedies, this famous doctor knows the action of over 500 different remedies which he successfully uses in different diseases. He guarantees to cure catarrh, asthma, lung, throat, rheumatism, nervousness, stomach, liver, kidneys, etc.; has hundreds of testimonials. Charges moderate. Call and see him. Patients out of the city write for blank and circulars. Send stamp. CONSULTATION FREE.

Address THE C. GEE WO CHINESE MEDICINE CO
162 1/2 First St., S. E. Cor. Morrison
Mention paper. PORTLAND, OREGON.

CLASSIFIED ADVERTISING

Portland Trade Directory
Names and Addresses in Portland of Representative Business Firms.

CREAM SEPARATORS—We guarantee the U. S. Separator to be the best. Write for free catalog. Hazelwood Co., Fifth and Oak.

MEN'S CLOTHING—Buffum & Pendleton, sole agents Alfred Benjamin & Co.'s correct clothes. Everything in men's furnishings. Morrison and Sixth streets. Opposite postoffice.

PIANOS & ORGANS—Many fine instruments revert to us account of changes or removal of buyer. Write for description of pianos now on hand, terms, etc. Write today. Gilbert Co., Portland.

P. N. U. No. 33-06

WHEN writing to advertisers please mention this paper.

Two Kinds of Pelicans.

We have in America two kinds of pelicans, the white and the brown. Of the former, I can only say that it does not encourage the advances of the avian psychologist. Invasions of its strongholds on remote lake islets in Manitoba and in Nevada have resulted in their complete desertion by every white pelican old enough to spread a wing; and success here is doubtless not to be looked for so long as this snow-plumaged bird remains a shining mark for every roving rifleman.—Century.

HOWARD E. BURTON—Assayer and Chemist. Leadville, Colorado. Specimen prices: Gold, Silver, Lead, \$1; Gold, Silver, Tin; Gold, 50c; Zinc or Copper, \$1. Cyanide tests. Mailing envelopes and full price list sent on application. Control and Umpire work solicited. Reference: Carbonate National Bank.

GASOLINE ENGINES 3 to 4 horsepower fully warranted. \$25. All sizes and styles at lowest prices. Write for catalog.

REIERSON MACHINERY COMPANY
Portland, Oregon.



THE DAISY FLY KILLER destroys all the flies and affords complete protection in home, dining room, sleeping room and all places where flies are troublesome. Clean, neat and will not soil or injure anything. Try them once and you will never be without them. If not kept by dealers, sent prepaid for 25c. Harold Somers, 149 DeKalb ave., Brooklyn, N. Y.



Egan Dramatic and Operatic School

Season 1906 and 1907 Opens Sept. 15

Prepares for Dramatic and Operatic Stage and places Graduates. Recognized by leading theatrical managers. Send for Catalogue and list of graduates and their success.

Egan Dramatic and Operatic School

Egan Hall Arcade Building, Seattle.

FRANK C. EGAN, Principal.

Momentary Relapse.

"Mr. Spotcash," said the reformed sport, "we want to buy a thousand crullers for the waifs' picnic. Can you give us something?"

"Yes," answered the merchant. "Here's \$5."

"Thanks, Mr. Spotcash. I told the boys, by George, it was dollars to doughnuts you'd cough up liberal!"

FITS St. Vitus' Dance and all Nervous Diseases permanently cured by Dr. Kline's Great Nerve Restorer. Send for FREE bottle and treatise. Dr. R. H. Kline, Ltd., 931 Arch St., Phila., Pa.

Well Up in the Classics.

The principal of one of Washington's high schools relates an incident in connection with the last commencement day of the institution mentioned. A clever girl had taken one of the principal prizes. At the close of the exercises her friends crowded about her to offer congratulations.

"Weren't you awfully afraid you wouldn't get it, Hattie," asked one, "when there were so many contestants?"

"Oh, no!" cheerily exclaimed Hattie. "Because I knew that when it came to English composition I had 'em all skinned alive!"—Harper's Weekly.

Mothers will find M-r. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

Where He'd Be.

Mrs. McSosh—I wish all the saloons in creation were in the bottom of the sea.

Mr. McSosh—Gee, you gotta mean dip-sition! Wanner get me drown', eh?—Cleveland Leader.

Catarrh Cannot be Cured

with LOCAL APPLICATIONS, as they cannot reach the seat of the disease. Catarrh is a blood or constitutional disease, and in order to cure it you must take internal remedies. Hall's Catarrh Cure is taken internally, and acts directly on the blood and mucous surfaces. Hall's Catarrh Cure is not a quack medicine. It was prescribed by one of the best physicians in this country for years, and is a regular prescription. It is composed of the best tonics known, combined with the best blood purifiers, acting directly on the mucous surfaces. The perfect combination of the two ingredients is what produces such wonderful results in curing Catarrh. Send for testimonials free. F. J. CHENEY & CO., Props., Toledo, O. Sold by druggists, price 75c. Hall's Family Pills are the best.

Achievement.

Rich Uncle—Leonard, have you ever succeeded in carrying out one single purpose in all your life?

Spendthrift Nephew (deeply hurt)—Uncle, I have! Six years ago I formed a resolution that I would cut loose and have a good time, and to-day I owe \$13,000.