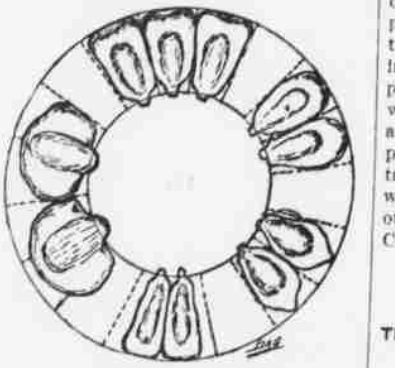


How's This?
 We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.
 F. J. CHENEY & CO., Props., Toledo, O.
 We, the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by him.
 W. A. RAY, Wholesale Druggist, Toledo, O.
 A. C. RAY, Retail Druggist, Toledo, O.
 Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 50¢ per bottle. Sold by all Druggists. Testimonials free.
 Hall's Family Pills are the best.

Farm and Garden

GOOD SEED CORN.

Selecting is a Matter of Care and Intelligence.
 In order to secure the largest possible yields of corn, including grain and fodder, the grower must carefully and intelligently select, cure, test and grade his seed corn. It is true that many farmers obtain their seed corn from the crib in the spring and secure what appear to be good stands and reason-



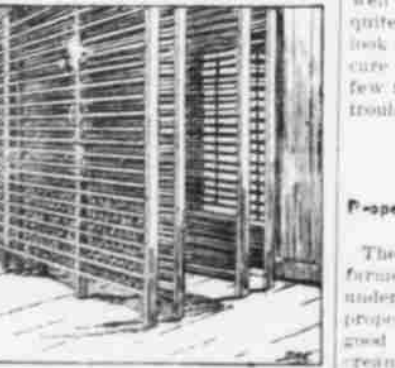
A STUDY OF KERNELS.
 [The upper three kernels are well proportioned and occupy completely the space between the circumference of the ear and the circumference of the cob. The upper right hand two kernels are poorly shaped and leave a lot of unoccupied space. The lower right hand two kernels show how the whole rice popcorn kernels occupy the space. The lower two kernels are of the shoe peg type. The left two kernels show the relative shape and position of flat kernels as compared with the upper three dent kernels.]

ably good crops. This does not mean, however, that the stand might not have been made better and the crop larger had these same farmers given more care to the selection, storing and treatment of their seed corn.

The condition of corn in the spring of 1908 that had stood during the winter in shock or crib emphasizes in a striking way the risks that are run in using seed that has not been properly saved. Of a large number of ears tested at the Michigan Agricultural College for the vitality those selected from the shock invariably produced an exceedingly low number of germinations. More than 50 per cent of the ears produced no germination whatever, and of those that did show vitality it was rare that 100 per cent of the kernels germinated. The conditions under which corn passed the winter were exceedingly bad, but even with the best conditions there are influences, such as freezing, molding and the like, which of necessity tend to reduce the vitality of the corn.

The ear should be selected while it still remains on the standing stalk. The stalk should be of good size, with considerable foliage. The position of the ear should be considered. If too low it is apt to mature late. It is the opinion of the college experimenters that increased yields are secured by the judicious selection of seed from stalks bearing two ears. The ideal ear should be cylindrical, not tapering. Experience teaches that rough top kernels are best.

The selected ears should be placed where they will dry in the shortest reasonable time, and various methods have been employed for this purpose. There is no better method than the stamping of efficiency than the old one of trussing the ears together by the husks left upon them or tying them in lots by strings and hanging in the summer kitchen or in the attic above near the stovepipe. This, however, requires considerable room and is not altogether satisfactory to the workers in the kitchen. A furnace



PRACTICAL RACK FOR DRYING.
 Room is a good place, provided it is well ventilated and an occasional fire is light. Frequently the corn is left in crates, and, while this is usually a successful method, there is more or less danger from molding. Corn so stored should be watched carefully until it is known to be thoroughly dry.

The cheap rack shown herewith is used at the college for storing and drying seed corn. It is twelve feet long and ten feet in height, with a capacity for thirty bushels of ears. The posts are 2 by 4 inch hemlock and stand four feet apart. They are set in pairs four inches apart, each pair carrying a tier of corn. Sixteen nails should be used in nailing on the strips.

Chemical Action of Manure.
 Manure acts chemically on soils by adding new stores of plant food, and by their decomposition in the soil they give off carbonic acid gas, which unites with the soil waters and increases its dissolving action on mineral plant food. It also provides the formation of humates in the soil and thus renders insoluble mineral plant food more available.

BEST EGG PRESERVATIVE.

Lard is Now Preferred by Many Foreign Experts.

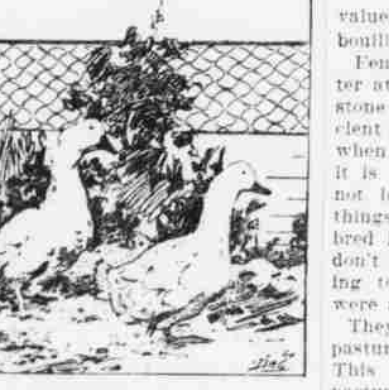
Italian and French experts have of late days become convinced that lard as an egg preservative is to be highly commended. Dr. Campanini, an Italian agricultural authority, after reviewing the various known means of preserving eggs—by salt water, lime water, silicate of potash, vasoline and cold storage—described his lard experiments, which showed better results than all others. His theory is that to preserve eggs some system must be adopted that will absolutely prevent the exchange between the air outside and the inside of the egg, for it is this continual exchange that causes putrefaction. Dr. Campanini selected perfectly fresh eggs and covered them with lard so as effectually to stop up all the pores. The shells were thus rendered impermeable, and the exchange of air was prevented, the evaporation of the water.

The whites and yolks of the eggs retained their colors perfectly, and the taste was not modified in the slightest degree. When properly caked with lard, not too thickly, the eggs are put in baskets or boxes on a bed of tow or fine odorless shavings and so arranged that there will be no point of contact between them; otherwise a mold will develop and putrefaction result. The packing room should be perfectly dry, the question of temperature not being important. By this process Dr. Campanini kept a quantity of eggs for a whole year through a very hot summer and a very cold winter, and they were perfectly preserved. Some authorities take exception to the smearing of eggs with fat or lard. Lime water, on the other hand, is strongly advocated by Canadian poultry experts.

RAISING DUCKS.

These Fowls Require Treatment Different From the Ordinary.

An authority on ducks says that they require different care from other fowls, and especially chickens. The same care and feed that will produce good results with chickens are not good for ducks. They require vegetables, animal matter and a good supply of green food, as well as plenty of water for drinking purposes where they are not allowed to run to a stream. They are



PRIZE FERRIS DUCKS.

good layers when fed and handled properly, and as a seller on the market the duck is in good demand at all times. Poultry ducks are great layers, but are not so prolific as geese, consequently, if they exceed in size and remain on the nest, shut them up and feed them well for a few days, and when they are turned loose they will soon begin to lay again. As they will do this season through from early March till late in November in warm latitudes with only a little rest in mid-summer, a large flock can be raised from a very few to begin with. If one does not care for eggs later than the summer months the ducks may be picked, the feathers being a source of considerable profit, whether kept for one's own use or sold, but the ducks must not be picked during the period eggs are wanted.

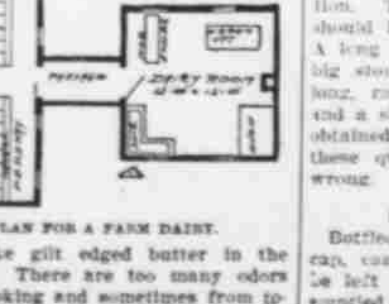
While ducks will usually commence to lay in February, it is not advisable to begin hatching the season. Impatience is more fatal to young ducks than anything else, and early in the spring it requires considerably more work to look after them than later on, after the weather becomes more settled. For the reason that they make better mothers and bear the necessary confinement better than ducks it is best to hatch the first brood under hens. Four chicks then confined until the ducks are well designed. There need be but little, if any, loss, and after the ducklings get well started to feathering they are quite hardy and can be turned out to look out for themselves. If given good care for the first ten days, there are few fowls that can be raised with less trouble.

THE FARM DAIRY.

Proper Facilities Needed to Make Butter For the Market.

The very best butter is made on farms when the women thoroughly understand the business and have the proper facilities. When the milk from good healthy cows is run through a cream separator as soon as possible after milking and the cream cooled to the right temperature and kept in a clean, pure air-tight container when it is just old enough and not too old, you get the very best butter that skill and energy can make. Such butter, if shipped regularly to consumers in large cities, will bring a bigger price than the best creamery butter, says the Farm Press. It is no more work to make butter right than to make it wrong. In fact, there is less work, because you have a proper system, and that always helps.

The farm dairy may be very simple, but it should be by itself. You can-



PLAN FOR A FARM DAIRY.
 not make gilt edged butter in the kitchen. There are too many odors from cooking and sometimes from po-

SWINE ON ALFALFA.

Methods of Various Western Breeders in Feeding This Crop.

Our Colorado people years ago came to the understanding that there is no better forage crop for hogs than alfalfa, says Denver Field and Farm. One man estimates that it takes from one-half to one-third less corn on alfalfa pasture than on a straight grain ration to make a hog ready for market. Many farmers let the hogs run on alfalfa until they are six months old, by which time they reach a weight of seventy-five to 125 pounds, feeding just a little grain. Then they feed heavily for about two months and sell the hogs at eight months old weighing 200 to 225 pounds. One farmer who raises about a thousand hogs annually and who in one year sold \$11,200 worth of hogs makes a practice of raising his swine on alfalfa pasture until about eight months old, feeding one ear of corn a head daily. He then feeds corn heavily for a month or two and sells at an average weight of 200 to 225 pounds.

Another man feeds all the corn and slop the pigs will clean up, all the while running them on alfalfa pasture, and sells at six to eight months old at weights of 250 to 300 pounds. Another, who raises about a thousand head a year, feeds all the corn the pigs will eat, beginning shortly after weaning and continuing until the pigs are sold at ten to eleven months old, averaging 275 pounds. Still another farmer, from weaning time—two months old—until eight months old feeds the pigs nothing but dry corn on alfalfa pasture, averaging about 375 pounds a day for each head. At the end of eight months he sells at an average weight of 250 pounds. The quantity of corn fed is about eleven bushels for each head.

While alfalfa pasture has been found very valuable for hogs, the hay as a part ration for winter is scarcely less important. Throughout this whole western region the farmers make a practice of feeding hay to hogs throughout the winter. The hay has been found especially valuable for brood sows before farrowing. When fed during winter only a small ration of grain is necessary to keep the sows in good flesh and in healthy condition. Sows thus fed also farrow good litters of strong, healthy pigs. Many feed the hay by throwing it on the ground in forkfuls. Others have made low racks in which the hay is placed, from which the hogs can feed like cattle or sheep. The hay is usually fed dry. The leaves are more readily eaten by the hogs than the stems, and they contain more of the nutritive value of the plant. For these reasons some farmers save the last cutting of hay for the hogs because it is more relished.

SIDE BONES IN DRAFTERS.

Cartilage Above the Heel Counts Against Heavy Horses.

Look out for side bones on the draft horse, says George McKerrow, a Wisconsin breeder. Foreign buyers have been more particular than Americans in the question of side bones, and it is only a few years since some of our best judges in America have been looking out for side bones at all.

It is said that only a few years ago a judge who has considerable reputation as a horseman in this country was judging at a western state fair. An exhibitor whose horse had been turned down to second place objected that the judge had put the first prize upon a horse with side bones, and it is said that the judge went over to the first prize horse and began to feel along his ribs, and he said, "This horse has no side bones." I saw another judge who was called down in the same way by placing the first prize on a horse that had side bones, and he went to feeling for the splints just below the knee on the inside of the leg, and he found none.

The side bone is just above the heel of the horse. It is a mere cartilage. It is put into the heel, we believe, to give springiness, to save inflammation there when the horse works and travels. Now, on low heels and especially on heavy horses, they put a good deal of weight on the heels; they get fetid, there and inflammation sets in. These cartilages harden and become bone in the effort of nature to mend up the little strain or make good the work of inflammation there, and when they are bony and hard you have a horse that to some extent will get sore as he works. You can see it in the gait, and you can find it when you take hold of these cartilages and try to move them.

Do not confound this side bone with a ringbone or a partial ringbone. Ringbone is supposed to go clear around, though not always. I have seen people confound a side bone with a ringbone.

Another thing I should have mentioned in relation to this is the hock joint. It is the joint that throws out three-quarters of the troubles on the limbs of our horses. If it is loosely made, the chances are there is a sprain and nature in mending that sprain produces what is called a bone spavin. Sometimes we get a bone spavin or it may be an enlargement of those sacs that hold the oil to lubricate the joint, and we usually call it a wind puff, but it comes from a loose joint, as a rule, and a sprain upon the loose joint, and gives us thoroughpin and bog spavin.

Vacuum For Cleaning Horses.

The vacuum machine as used for cleaning the furnishings of homes and office buildings has become a familiar sight in nearly all parts of the country, but such a machine used for cleaning horses is new to most people. A horse can be thoroughly cleaned by the machine in from three to five minutes, while with the ordinary currycomb and brush the task takes from twenty minutes to a hour of vigorous rubbing. According to Popular Mechanics, it removes all dirt on the animal's skin, cleaning both the surface and the pores.

Wood Ashes For Horses.
 A little wood ash is held to be very beneficial to horses. It is given a teaspoonful at a time, sprinkled on a feed of oats.

Simple Remedy For Lagrippe

Racking lagrippe coughs that may develop into pneumonia overnight are quickly cured by Foley's Honey and Tar. The sore and inflamed lungs are healed and strengthened, and a dangerous condition is quickly averted. Take only Foley's Honey and Tar in the yellow package. C. Stafirin; M. L. Thompson, Falls City.

Roseburg's new machine shop is nearing completion.

There is no case on record of a cough, cold or lagrippe developing into pneumonia after Foley's Honey and Tar has been taken, as it cures the most obstinate deep seated coughs and colds. Why take anything else. C. Stafirin; M. L. Thompson, Falls City.

A 64-acre orchard tract near Grants Pass over half in bearing, sold for \$34,000.

Many little lives have been saved by Foley's Honey and Tar, for coughs, colds, croup and whooping cough. It is the only safe remedy for infants and children as it contains no opiates or other narcotic drugs, and children like Foley's Honey and Tar. Careful mothers keep a bottle in the house. Refuse substitutes. C. Stafirin; M. L. Thompson, Falls City.

A carload of Missouri mules has arrived in Pendleton.

You would not delay taking Foley's Kidney Remedy at the first sign of kidney or bladder trouble if you realized that neglect might result in Bright's disease or diabetes. Foley's Kidney Remedy corrects irregularities and cures all kidney and bladder disorders. C. Stafirin; M. L. Thompson, Falls City.

The big irrigation project in Grand Ronde valley is now an assured fact.

If you will take Foley's Orino Laxative until the bowels become regular you will not have to take purgatives constantly, as Foley's Orino Laxative positively cures chronic constipation and sluggish liver. Pleasant to take. C. Stafirin; M. L. Thompson, Falls City.

Corvallis Methodists raised by subscription \$2618 and paid off a \$2300 debt and have a surplus.

A Religious Author's Statement

For several years I was afflicted with kidney trouble and last winter I was suddenly stricken with a severe pain in my kidneys and was confined to bed eight days unable to get up without assistance. My urine contained a thick white sediment and passed same day and night. I commenced taking Foley's Kidney Remedy and the pain gradually subsided and finally ceased, and my urine became normal. I cheerfully recommend Foley's Kidney Remedy. C. Stafirin; M. L. Thompson, Falls City.

Albany is going to pave some this year.

A Horrible Hold-Up.

About ten years ago my brother was "held up" in his work, health and happiness by what was believed to be hopeless Consumption," writes W. R. Lipscomb, of Washington, N. C. "He took all kinds of remedies and treatment from several doctors, but found no help till he used Dr. King's New Discovery and was wholly cured by six bottles. He is as well man today." It's quick to relieve and the surest cure for weak or sore lungs, Hemorrhages, Coughs and Colds, Bronchitis, La Grippe, Asthma and all Bronchial affections. 50¢ and \$1.00. Trial bottle free. Guaranteed by Belt & Cherrington.

LaGrande will probably have a fruit and vegetable cannery this year.

President Helps Orphans.

Hundreds of orphans have been helped by the President of the Industrial and Orphan's Home, Macleod, Ga., who writes: "We have used Electric Bitters in this institution for nine years. It has proved a most excellent medicine for Stomach, Liver and Kidney troubles. We regard it as one of the best family medicines on earth." It invigorates the vital organs, purifies the blood, aids digestion, creates appetite. To strengthen and build up thin, pale, weak children or run-down people, it has no equal. Best for female complaints. Only 50¢ at Belt & Cherrington drug store.

A big coal vein is said to have been discovered near the town of John Day.

Brave Fire Laddies

often receive severe burns, putting out fires, then use Bucklen's Arnica Salve and forget them. It soon dries out pain. For Burns, Scalds, Wounds, Cuts and Bruises its earth's greatest healer. Quickly cures Skin Eruptions, Old Sores, Boils, Ulcers, Felons; best Pile cure made. Relief is instant. 25¢ at Belt & Cherrington drug store.

CASTORIA.

The Family Dispensation of Dr. H. H. Hatcher. It is an easy to give.

FOLEY'S HONEY AND TAR

Cures Colds Prevents Pneumonia

Kodol Dyspepsia Cure

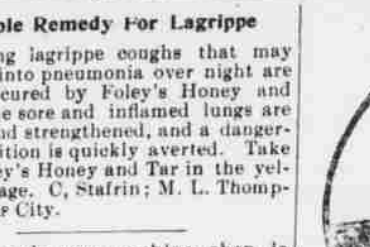
Digests what you eat.

One Minute Cough Cure

For Coughs, Colds and Croup

THE NEW IDEA

THE ORIGINAL LAXATIVE



WINTER COLDS
 you need not fear them if you use **BALLARD'S HOREHOUND SYRUP**

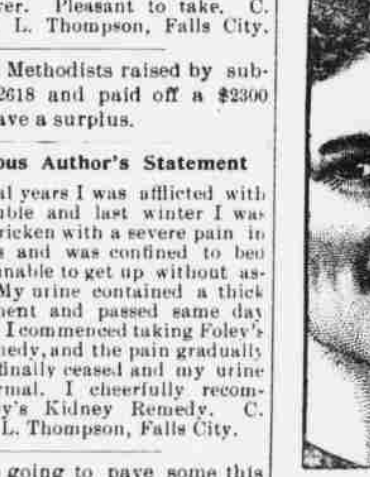
A cough or cold is generally a forerunner of many serious sick spells. It should not be neglected, for the human breathing system is a combination of tubes and cells, which must be kept in order to insure good health.

Ballard's Horehound Syrup CURES WHOOPING COUGH, CROUP AND ALL PULMONARY DISEASES.

Cured of a Chronic Cough.
 J. H. Ellis, Butte, Mont., writes: "I cheerfully recommend Ballard's Horehound Syrup to all persons afflicted with chronic coughs. I suffered for years with a chronic cough which would last all winter. Ballard's Horehound Syrup effected an immediate and permanent cure."
 25c, 50c and \$1.00.

Ballard Snow Liniment Co.
 500-502 North Second Street, ST. LOUIS, MO.

Sold and Recommended by **STAFIRIN DRUG COMPANY**



Nature's Remedy
 REG. U.S. PAT. OFFICE
NR-TABLETS-NR
 CURES CONSTIPATION, DYSPEPSIA, RHEUMATISM, Better Than Pills For Liver Ills. Get a 25¢ Box Sold Everywhere.

A.M. LEWIS MEDICINE CO., ST. LOUIS, USA

BELT & CHERRINGTON, Dallas, Oregon.

A Fresh Complexion

is preserved—and produced—by Robertine, a mild, delightful preparation, delicately fragrant. Makes the skin exquisitely soft; luncheoned appearance caused by over-drying; reduces the size of enlarged pores, cleanses them, reduces inflammation and spreads an even, radiant glow due to wholesome nourishment of skin glands and stimulation of the capillaries which also feed the skin and supply its healthful color. Ask your Druggist for a free sample of **ROBERTINE**

IT'S YOUR KIDNEYS

Don't Mistake The Cause of Your Trouble—Delay May Prove Fatal.

Does your back ache? Do you get up lame in the morning? Do you feel dull and tired? Does it hurt you to bend over, to lift anything, to get up from a chair? Do you have sudden "catches" or stitches of pain in the back? Loss of sleep, throbbing aches settle in the small of your back and bother you day and night? Do you sometimes feel that you simply cannot straighten up? You can not make any mistake by treating the kidneys at once, for it is these small troubles that lead to dropsy, diabetes and Bright's disease. If there is any doubt in your mind that the kidneys are affected, notice the urine for a few days. If passages are irregular, painful or too scanty, discolored or full of sediment, the kidneys need help right away and there is no other medicine so helpful than Doan's Kidney Pills. Call at Belt & Cherrington drug store and ask to see statements of Dallas people who have used this remedy. For sale by all dealers. Price 50¢ cents. Foster-McIlburn Co., Buffalo, New York, sole agents for the United States. Remember the name—Doan's—and no other.

TOWER'S FISH BRAND

The cleanest—lightest—and most comfortable **SLICKER** at the same time cheapest in the end because it wears longest. 300 Everywhere. Every garment guaranteed waterproof. Colored free.

KILL THE COUGH AND CURE THE LUNGS

WITH **Dr. King's New Discovery** FOR COUGHS, COLDS AND ALL THROAT AND LUNG TROUBLES. GUARANTEED SATISFACTORY OR MONEY REFUNDED.

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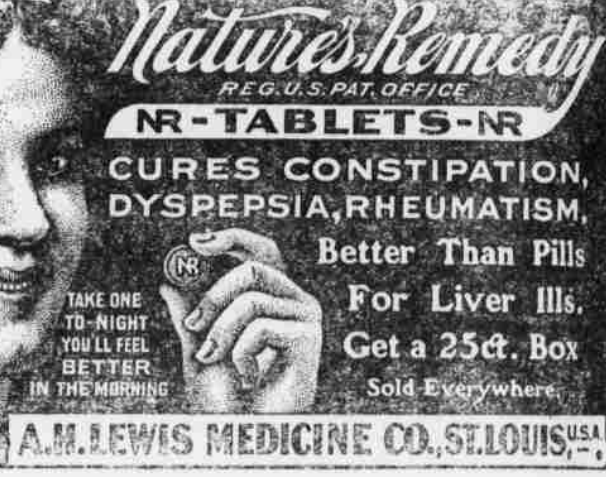
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