

Hello Daddy - don't forget my Wrigleys! Slip a package in your pocket when you go home to-night.

Give the youngsters this wholesome, long-lasting sweet - for pleasure and benefit.



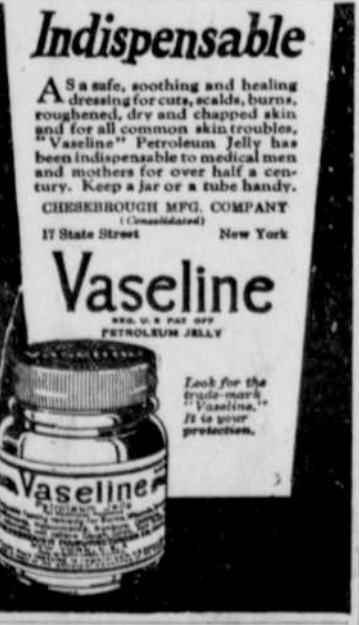
Use it yourself after smoking or when work drags. It's a great little fresher.

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LIVE STOCK

EDUCATIONAL FACTS ABOUT LIVE STOCK

It is a well-known fact that at least 90 per cent of the breeders of pure-bred live stock make failures. These are due to many factors, such as high prices of foundation stock, expense of high-priced feeds, expense of keeping animals registered, lack of experience, and the small demand for pure-bred live stock.

Next let us consider crossbreeding. The first generation in this system does very nicely, but if the crossbreds are kept for breeding purposes they are unsatisfactory.

Now let us consider the scrub. Scrubs are usually unprofitable. They are responsible in a large measure for live stock selling for such a low price.

All that remains for the mass of live-stock producers is to produce high grades by making use of pure-bred sires. We need a few good breeders of pure-bred live stock so that pure-bred sires may be furnished for those interested in raising high grades.

The following definitions taken from "Types and Market Classes of Live Stock," by Vaughan, will help farmers to better understand the breeding end of the live-stock business:

"A pure-bred animal is a member of a breed, and is registered or eligible to registry in the herd book of that breed."

"A crossbred animal is one whose sire and dam were both pure bred, but belonged to different breeds. A cross between a Poland-China boar and a Duroc-Jersey sow produces crossbred pigs."

"A grade animal is one produced by mating a scrub female with a pure-bred male. If this grade as a result of the above cross is a female and is in turn mated to a pure-bred male of the same type (and preferably of the same breed) as its own pure-bred parent the result will be a grade. Grade animals possess from 50 to 75 per cent of pure breeding."

"A high-grade animal is one produced from a scrub foundation by three or more successive crosses of pure-bred sires of the same type and preferably of the same breed. High grades possess 87 1/2 per cent or more of pure breeding."

"A scrub animal is one that bears no evidence of good breeding - one without any pure-bred ancestors, or at most very few and very distant ones."

Much Lamb Loss Is Due to Mistakes in Feeds

Lamb losses in this state are largely due to errors in feeding, and mostly by the lack of appropriate feeds for the ewe before lambing and for both the ewe and lamb after lambing.

"Ewes that come through the winter in poor flesh can't raise a strong thrifty lamb. This is too evident to need data to certify it," says G. P. Williams, sheep extension specialist for the North Carolina State College of Agriculture. "This condition is proved beyond doubt by the fact that lambs arriving after grass starts grow off promptly. Ewes that eke out the winter on hays of the meanest kinds and on cottonseed hulls or that graze the stark, weatherbeaten landscape can score no success at lambing time."

"Much of the lamb losses attributed to cold weather is in fact due to a badly nourished and thin ewe and to a weak lamb that can't help being weak and flimsy under such circumstances. The foundation of success with ewes at lambing time rests on proper feeding through the winter coupled with outside exercise on range sufficient to keep the bodily processes strong and vigorous."

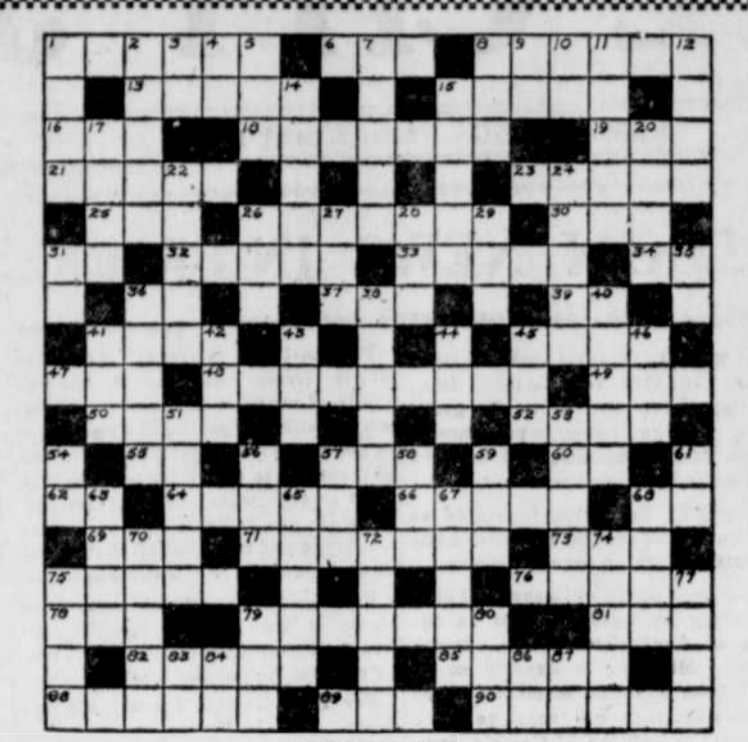
Scarcity of Hog Feed

The probability of a great scarcity of hog feed in the summer of 1925 is now troubling many farmers. One way out of the difficulty is early seeded and early threshed barley. If everything goes well, it should be possible over a large part of the corn belt to have barley ready to feed to hogs by the last week in July. Of course the barley should be ground, but even after the expense of grinding, the barley should keep the spring pigs growing much more cheaply than the exceedingly scarce and high-priced corn of the crop of 1924.

Feeding Oats to Hogs

The bulk of past experiments indicate that for fattening hogs a bushel of oats has only about 40 per cent as much value as a bushel of corn. For growing hogs and for breeding stock, they may be worth about half as much per bushel as corn. Grinding oats helps a little, but it is doubtful if it helps enough to pay for the cost of grinding. With fall pigs weighing 100 pounds, feed about one-half to a pound of oats per head daily for a month or so.

CROSS-WORD PUZZLE



- Horizontal. 1-Intellectual dullness 2-A resting place 3-The hair of the angora goat 13-Bracing 15-Hairy appendages 16-Come together 18-Regarding to Mars 19-A female bird 21-Drinking vessel 23-Threads that guide through a maze 25-A vase with feet 26-Hares 28-Note of musical scale 30-Single 32-To vanquish 33-Concise 34-As 36-Us 37-An obstinate person 38-As 41-A game of chance 45-General term for followers of a theory 47-To corrode 48-Leasened 49-A soft white metal 50-To take out 52-Aid 53-Regarding to Mars 54-Conjunction 57-Madness 58-So 60-Exposes 62-Toward 64-Primp 66-Exposes 68-Toward 69-Consumed 71-To dignify 73-Be indebted to 75-Carries 76-Scented 78-Sick 79-Wearisome 81-Hebrew prophet 82-Anxious 85-An indestructible unit 88-Instruction 89-A lair 90-A drink of hot milk curdled with liquor

Solution of Last Week's Puzzle. SWAGS BARK SWIR BASTY... The solution will appear in next issue.

HOW TO SOLVE A CROSS-WORD PUZZLE

When the correct letters are placed in the white spaces this puzzle will spell words both vertically and horizontally. The first letter in each word is indicated by a number, which refers to the definition listed below the puzzle.

PROPER COOKING OF FISH IS IMPORTANT

Doctor McCollum of Johns Hopkins discusses the importance of fish in our diet and gives some points as to proper preparation. In introducing some recipes, he says: "The ways in which you should cook fish depend upon the kind of fish they are. Oily or 'fat' fish should not be cooked in fat. Fat fish, such as salmon and mackerel, are best when baked or broiled. On the other hand, white or 'lean' fish, such as cod, halibut and haddock, may be fried or sauted, since they are dryer. When you cook fish in water, as boiling, you will find them better if they are served with rich sauces. If you bake them, they should be basted and frequently larded."

EXTREMES OF LIFE IN AIR AND OCEAN

The condor of the Andes has been observed soaring at tremendous heights above peaks themselves exceeding 20,000 feet. Naturalists say the condor can fly at an altitude of five miles above sea level. To go to the other extreme, it is known that life exists in the greatest depths of the ocean. It is said that the blackest, coldest and remotest abysses are tenanted by fish of the strangest of shapes and by colossal cephalopods.

Thrifty Immigrants

Before the World war the average receipts in Italy from immigrants in the United States was \$13,000,000. In 1924 the average receipts in Italy of American funds sent by the immigrants in the United States was \$16,000,000. This increase is in the face of immigration restrictions set up by the United States which is holding down the number of new arrivals.

Guiteau's Determination

A statement issued by District Attorney Corkhill says that Guiteau came to Washington, March 6, 1881, determined to assassinate the President on May 18, secured his weapon on June 8, and followed the President on several occasions, once to church, before he found the opportunity he sought on July 2.

Dead Soviet Leader Lies as if Asleep

Lenin's tomb is a temporary structure built of wood, somewhat Egyptian about its broad, squat base and walls that taper up in conical slant. It has neither the whiteness nor the dignity that we are accustomed to associate with the mausoleum of a great national figure, writes Fanny Hurst, in McClain's, and yet somehow, some way, there is a strange brooding beauty about this small wooden tomb, set out in the cobblestone aridity of Red Square. Here stands the shrine of the Soviets.

ORCHARD GLEANINGS

SPRAY SOLUTION FOR EACH TREE VARIES

How much spray solution is required to spray an apple tree? Of course the answer to this question depends very largely upon the opinion of the operator. Some one has said that the orchardists who obtain best results from spraying are those who "waste" material. In other words best results are obtained by putting on the solution until the tree is thoroughly covered and dripping quite heavily.

In keeping a record of the cost of spraying at the Ohio experiment station, a record of the amount of material required for bearing trees of various ages has been kept through two seasons.

Factors that make the amounts vary in addition to the opinion of the operator are the wind, material used, and whether gun or nozzle is used to discharge the solution.

Naturally when the wind is high, material will be used in excess of that actually required on a calm day. One cannot always wait for ideal days to spray, especially during the time of applying the pink spray.

Oil sprays require less solution than other sprays because of their "creeping" qualities. No doubt less material would be required by using a rod and nozzle rather than the gun but the time element is so much in favor of the gun that the gun has more to recommend it than the rod and nozzle, especially if the gun is in the hand of a careful operator.

Most of the orchards on which spraying records have been kept at the experiment station have been sprayed either five or six times each season.

The petal fall spray usually requires more solution than any other spray although there is not much difference in the amounts used on any of the summer sprays. The pre-pink and pink applications usually require less. This is partly because it is not necessary to drench the body of the tree quite so heavily as on the dormant spray and there is no foliage to cover at this period.

There is no difference in the amounts required of bordeaux or lime sulphur, which are the two main sprays used.

Baldwin Apple Has Been Grown for Many Years

According to the New York state experiment station, the Baldwin apple is probably more generally distributed throughout the United States than any other one variety of apple.

This variety has been grown for a great many years, and under a wide range of soil and climatic conditions. As a result of this, perhaps there will be some difference in the size and quality of the fruit, as it is grown under the different conditions, and many fruit growers have advanced the theory that when Baldwins are grown for a long period of time under different conditions, new strains of the variety are developed.

Some thirteen years ago the horticulturists at the experiment station at Geneva determined to try out the theory. They purchased 84 Baldwin apple trees from 40 different locations in the United States. These were set out on the trial grounds to determine definitely as to whether the distinct strains of this variety had developed under these widely different environments. These trees are now in full bearing, and every one of the 84 trees produces fruit similar in size, color, season and quality to the fruit produced by the others.

The results of this experiment will be quite interesting to those who like to inquire into some of the theoretical side of plant growth, and so far as this experiment is concerned, it seems rather certain that no strains of this variety have originated because of differences in environment, but if there are strains of the variety in different sections of the country, they have originated probably for some other reason.

Horticulture Hints

Strawberry plants are usually put up in bunches of 25 plants to the bunch.

Look up the latest control measures for insect pests and plan for them beforehand.

Fertilize the home orchard. Prune and spray fruit trees before the buds begin to swell, if this was not done earlier.

Every home garden should have its strawberry patch. The early part of May is the most desirable time to set out the plants.

Orchard trees made their principal growth and demand on the soil for both water and plant food during May and June. This early cultivation conserves moisture and increases the supply of available food.

Keep the strawberries cultivated and select now the ground for a new planting. It is a good plan to plant each year a third of the home patch, and after the crop is gathered in the spring plow up the oldest third. This keeps an unending supply of berries.



Do you realize

The oil in your motor must stand the intense heat of 350 degrees. It must stand dilution by gas and water. Bearings burn out, cylinders are scored unless the oil remains good under these tests. MonaMotor Oil stands every test and meets every need.

The question of lubrication is rightly settled when you decide to give your motor the oil it needs—MonaMotor Oil.

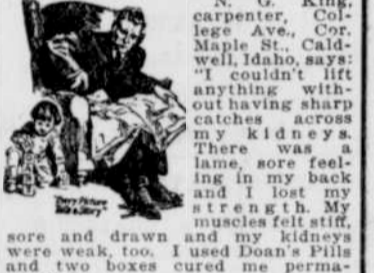
MonaMotor Oil Company San Francisco, Cal. Los Angeles, Cal.

U. S. Potato Yield

The average potato yield over the United States last year was 124 bushels which was 11 bushels an acre above the highest average yield ever before recorded.—Science Service.

Is Your Work Hard?

Is your work wearing you out? Are you tortured with throbbing backache—feel tired, weak and worn out? Then look to your kidneys! Many occupations tend to weaken the kidneys. Constant backache, headaches, dizziness and rheumatic pains result. One suffers annoying kidney irregularities; feels nervous, irritable and worn out. Don't wait! Use Doan's Pills—a stimulant diuretic to the kidneys. Workers everywhere recommend Doan's. They should help you, too. Ask your neighbor!



DOAN'S PILLS 60c STIMULANT DIURETIC TO THE KIDNEYS Foster-Milburn Co., Mfg. Chem., Buffalo, N. Y.

Keeping a Secret

Peg—I'm engaged. Don't tell. Mary—Marvelous. Who shan't I tell first?—Cornell Widow.

WHY DRUGGISTS RECOMMEND SWAMP-ROOT

For many years druggists have watched with much interest the remarkable record maintained by Dr. Kilmer's Swamp-Root, the great kidney, liver and bladder medicine.

It is a physician's prescription. Swamp-Root is a strengthening medicine. It helps the kidneys, liver and bladder do the work nature intended they should do.

Swamp-Root has stood the test of years. It is sold by all druggists on its merit and it should help you. No other kidney medicine has so many friends.

Be sure to get Swamp-Root and start treatment at once. However, if you wish first to test this great preparation send ten cents to Dr. Kilmer & Co., Binghamton, N. Y., for a sample bottle. When writing be sure and mention this paper.

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which contains proven directions Handy "Bayer" boxes of 12 tablets Also bottles of 24 and 100—Druggist Aspirin is the trade mark of Bayer Manufacturing of Monocetate diester of Salicylic acid

A good hope is better than a bad possession.

