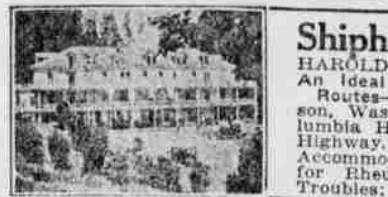


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**Captain Stays at Wheel When Vessel Goes Down**  
 Buffalo.—The steel tug Craig was rammed and sunk in the Niagara river opposite the Grand Island ferry landing by the steamship Zillah, of Bay City, Mich.  
 Captain Frank Roneker, Jr., of Tonawanda, stuck to the helm and went down with his ship when the tug heeled over from the impact. Howard Slover, fireman, and Leo Kropp, engineer, were rescued by the ferryboat

# DAIRY

## Fit Methods to Follow in Production of Cream

Since at the present time, our farmers who are milking a few good dairy cows, are generally better fixed financially, than those following almost any other line, it seems that we should pay particular attention to the handling of the product, that it may be put on the market in the best condition possible and thereby bring the biggest returns.

Methods which will aid in producing a good product:

Keep the barn and cows clean. Remove manure from stable twice daily. Wipe udder and flanks with a damp cloth, before milking.

Milk with dry hands, into a small top milk pail.

Separate while warm, to insure less waste in the skimmilk.

Wash separator thoroughly after each separation. Use a brush rather than a rag. First use warm water and washing powder, then scald all parts thoroughly.

Do not separate into vessel containing the cooled cream. Cool freshly separated cream before adding it to previous skimming.

Stir cream thoroughly every time a fresh supply is added, using a stirrer manufactured for the purpose.

A cooling tank should be on every farm. Run the water pumped for live stock through the cream tank and then into the stock tank.

Keep cooled cream in a sanitary place which is cool, sanitary, free from odors and well aired.

Cream should be delivered to market at least three times a week in summer and twice in winter.

Cream should not be allowed to freeze.—L. K. Crowe, assistant professor, animal husbandry, Colorado Agricultural college.

## Brass Letters on Cans Will Prevent Much Loss

When the owner's initials or number is painted on his cream cans, they have to be remarked frequently, as the marks become dim, due to washing and shipping. In order to avoid this I solder brass letters to the sloping part of the can, just below the neck, writes W. R. Taylor of Missouri in the Rural New Yorker. Copper or brass letters can usually be purchased at the variety stores, but if



Brass Lettering on Milk Can.

not to be obtained they can be cut from a piece of sheet brass or copper with a pair of tinners shears and a narrow chisel. Letters or figures made of aluminum will not do, as they are very difficult to solder. Cans so marked can always be easily identified and thus loss will be prevented. The lids should be stenciled or marked to correspond.

## Dairy Cow Is Necessary, Claims Florida Expert

"As feed prices continue to soar, and the price of land increases, so will the dairy cow replace to a very large extent the beef steer, the sheep, and the pig as a producer of human food," says John M. Scott of the University of Florida experiment station. "And about the only rival the dairy cow has is the busy hen."

The dairy cow and the hen are the only two farm animals that produce good, nourishing food day after day, when properly cared for. They provide foods that are indispensable in the home.

"What is home without milk and eggs?" asks Mr. Scott. These items enter so largely into the preparation of food for the family, the cow meaning life itself to thousands of children.

"We owe the cow and the hen a debt that can be paid only by giving them the very best of care that they may produce the maximum amount of food," says Mr. Scott. And neither of them are now receiving the attention that will be theirs when their full value is realized.

**Diseases of Fowls.**  
 When a fowl sneezes, waters slightly at the eyes and nostrils, and the face puffs up, this indicates a common cold. When accompanied by a rattling in the throat, the trouble is bronchitis. Difficult breathing indicates pneumonia. Canker in the mouth means diptheria.

**When Duck Eggs Don't Hatch.**  
 When the eggs from a certain pen of ducks do not hatch well, the trouble often may be corrected by changing the male to another pen or by introducing a new leader.

# ROAD BUILDING

## Study Science of Roads in Elementary Schools

The automobile industry is showing more than ordinary interest in a bulletin just issued by the bureau of education, Department of the Interior, entitled "Main Streets of the Nation," and intended as a study of projects on highway transport for elementary schools.

Prepared by Florence C. Fox, specialist in education systems for the United States government, it will particularly appeal to the children because their lives are very close to the highway question; good roads playing an increasingly important part in every child's experience.

The bulletin shows the remarkably interesting and practical lessons which have been worked out for elementary grades. In arithmetic, for example, a question such as this is asked: "If the railroad fare from New York to San Francisco is \$123.18, how much more, or less, will it cost to motor through the Lincoln highway than to go by train?" The solution involves problems in the cost of gasoline, the wear and tear of the machine, and the day's living expense en route, as compared with the cost of travel.

In the geography department interesting lessons are presented which afford imaginary journeys over the country's great highways. Important cities are located on the way, and brief essays written about the national points of interest in passing. The bulletin gives in great detail how such lessons may be prepared.

Problems in simple science are brought out by a study of road building, drainage and grading. Lessons in civics are exceptionally interesting and these include problems on financing; how to obtain a right of way; how bond issues are cared for, etc.

An important lesson deals with the safety question. Every parent is interested in this, and the work involved cannot fail to be of help and practical use to the young student in the face of the crowded streets and highways.

## Wisconsin Will Renumber All Its Trunk Highways

Immediately following a conference of the special legislative committee, appointed to select 2,500 additional miles to the state trunk highways, division engineers and the state highway division commission to determine finally what roads are to be added, highway experts will begin work on the enormous task of renumbering all of Wisconsin's trunk highway system.

Almost every trunk highway in the state will have to be renumbered to conform with the additions made by the special legislative committee.

Under the new system there will be fewer short highways and more long highways, with several numbers overlapping each other on the main traveled through routes.

Wherever it is possible highway experts will plot routes direct from important centers. There will be no change, however, in the system or plan of marking the trunk highway system.

All highway maps are to be reprinted and revised following the new allocation of main highways, but this will probably not come until late in the spring. It will make main routes easier to follow, for it will not be necessary to switch off from one highway to the next on a long journey. Motorists will be able to enter the state on one highway and follow that clear through the state or to their destination.

## Large Mileage Is Added to Federal-Aid Highways

(Prepared by the United States Department of Agriculture.)  
 Federal-aid roads totaling 8,820 miles were completed during the fiscal year ending June 30, 1923, bringing the total of federal aid roads completed to 26,536 miles. The mileage completed during the year is classified as follows:

	Miles
Graded and drained	1,850.1
Sand-clay	745.4
Gravel	8,514.4
Waterbound macadam	325.6
Bituminous macadam	452.9
Bituminous concrete	75.8
Concrete	1,449.3
Brick	78.3
Bridges	10.3
Total	8,820.3

The projects under construction at the close of the year amounted to 14,772 miles and were estimated at 55 per cent complete. In addition to the 26,536 miles completed and the 14,772 miles under construction there were at the close of the year a number of projects approved but not yet placed under construction, the aggregate length of which was 6,917 miles.

## Scheme of Texas Farmers for Building Good Roads

A settlement of wide-awake farmers near Lindsay, Tex., have a scheme for road building. On one farmer's place is a gravel pit that furnishes good gravel in abundance. This farmer furnishes free the gravel for road-building purposes, while the other farmers grade up the roadbeds and do the graveling. When the work is completed it hasn't cost anything except a little time and labor, and there are no taxes to pay.

## Shake Off Self-Distrust

Self-distrust is the cause of the most of our failures. In the assurance of strength there is strength, and they are weakest, however strong, who have no faith in themselves or their powers.—Borle.

# STATE NEWS IN BRIEF.

**Hood River.**—The wheat grower of the Canadian provinces, according to Howard W. Peeler, former local orchardist, who is now in charge of grain and stock ranches at Beynon, Alta., is looking forward to pool marketing of his crop as a measure of relief.

**Salem.**—Any action that will be taken by the public service commission with relation to the proposed new tariff filed by the Home Telephone and Telegraph company of southern Oregon, probably will be determined at an executive session of the commission to be held in Salem.

**Harrisburg.**—With the top of his head blown off by a shotgun, James Burge, 58, was found in his bed Sunday morning at his home, five miles east of town. He left a brief note to Mrs. Claude Wasson to take charge of his affairs. It is believed the suicide took place Friday night.

**Irrigon.**—On call of the Irrigon Commercial club, a big joint meeting of the Irrigon district farm bureau, Umatilla Commercial club and the woman's organization of Umatilla, was held here Saturday night to get immediate action on construction of the Columbia river highway bridge at Umatilla.

**St. Helens.**—For the last week the county jail has been so crowded that Sheriff Wellington has provided sleeping quarters for several of the prisoners on cots in the jail corridors. Too much holiday celebration, mixed with moonshining and bootlegging, was the cause for the overcrowded quarters.

**Harrisburg.**—The local ferry on the Pacific highway began operation Monday forenoon. It was tied up Sunday because of a sudden rise in the river. The boat is large for a cable ferry and much precaution is taken in operating it. A two or three-foot rise above the average winter stage is deemed unsafe.

**Salem.**—The Walla Walla Valley Railway company has sent a letter to the public service commission here announcing its intention to construct five and one-half miles of railroad extending from Milton, along the outer edge of the right-of-way of the Oregon-Washington Railway & Navigation company, to Umatine.

**Medford.**—Amos H. Willett, 30, business man here, was killed, and Roy Elliott, fire chief, was injured seriously, perhaps fatally, by the collapse of the stage fire wall in a fire which almost destroyed the Page theater here early Sunday morning. The loss was about \$100,000, believed to be only partially covered by insurance.

**St. Helens.**—Work was begun this week on the construction of buildings for the Turpenola Products corporation. Machinery for the plant is being taken from the plant at Aberdeen which has been dismantled, and is expected to arrive here early next week. Officials of the company plan to have the plant in operation by February 1.

**Salem.**—Governor Pierce has announced that he will use great care in issuing special agent permits during 1924, and that the number will fall far short of those given out during the present year. This information was contained in letters which have been sent out by the executive department to all persons now holding state permits.

**Salem.**—Tax reductions made by the county tax supervising and conservation commissions prior to Saturday's announcement by the supreme court that the 1923 act of the legislature creating the commissions had been declared void because of defective title, aggregated approximately \$1,000,000, according to reports received from the various counties by the executive department.

**Pendleton.**—At least 10,000 acres in the North Powder section will be devoted to hard federation wheat in the 1924 season, according to W. A. Hudelson, merchant and wheat grower, who was here Saturday. Mr. Hudelson declared that his crop of hard federation, seeded last spring, yielded an average of 34 bushels to the acre, as compared to a yield of 21 bushels for the varieties seeded in the fall.

**Pendleton.**—Umatilla county's budget for 1924, amounting to a total of \$869,147, and calling for a tax levy to raise \$823,147, was formally adopted Saturday and given to the county assessor to extend on the rolls. The levy was made by the county court after the levy of the county tax supervising and conservation commission was invalidated by reason of the supreme court's decision. Receipts for the year from licenses, fees and similar sources are estimated at \$46,000.

## Fighting Rats in London Subways.

Rats are fought relentlessly on London's underground railway; when one is seen special rat catchers are sent after it. The rats come out for the grease on the rails.—London Answers.

## The English Language.

The English language is said to consist of 700,000 words, but nearly half are either obsolete or scientific, seldom used in conversation. It has been calculated that nine-tenths of our words are of Saxon origin.

## Things Men Like.

What is back of all these acquaintance stunts, the smile and laughter-provoking games, and this everlasting singing? Men like stunts, men like to play, men like to smile and laugh, and men like to sing.—Joseph A. Turner.

## Stray Bits of Wisdom.

Every day is a gift I receive from heaven; let us enjoy today that which it bestows on me. It belongs not more to the young than to me, and tomorrow belongs to no one.—Manroix.

## Not Able to Function.

Chivalry may not be dead, but there are times—in elevators, trolley cars and other places of public resort—when it appears to be in a comatose condition.

## Why is Betting an Almost Exclusively Masculine Habit?

"Why is betting an almost exclusively masculine habit?" an exchange inquires, and a cynical correspondent answers: "Men choose betting as a means of stopping an argument; women never want an argument stopped."—Boston Transcript.

## Love of Argument.

The man who is ready to give pledge that the opinion he will hold tomorrow will be precisely the opinion he holds today has either thought very little, or to little purpose, or has resolved to quit thinking altogether.—Helen Hunt Jackson.

## Opinion Held by Too Many.

"Something ought to be done about everything," said an ironic philosopher. But what accounts for so many thinking they are Hamlets and exclaiming with him: "The time is out of joint. O, cursed spite, that I was born to set it right!"

## Two Kinds of Polygons.

A portion of a plane bounded by a broken line is called a polygon, or, in other words a many-sided figure. A polygon that has all its sides and all its angles equal is known as a regular polygon. Triangles, squares, hexagons, etc., are polygons.

## Why, of Course.

A young woman in distress writes: "We sent out sixty wedding invitations and only nine presents have been received. What shall we do?" How unresourceful you young people are! Get busy and rush out a follow-up letter.—Exchange.

## Tends Toward Development.

To be thrown on one's own resources is to be cast on the very lap of fortune; for our faculties undergo a development, and display an energy of which they were previously unsusceptible.—Franklin.

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