

Proper Care of Farm Machinery Means Life Extended Three Times

LIFE OF FARMING TOOLS IS REDUCED BY CARELESS USE

Million Dollars Yearly Eaten Up by Damage to Machinery Left Exposed to Bad Weather.

IMPLEMENTS LEFT TO RUST

Writer Estimates That at Least 10 Per Cent of Oregon's Agricultural Tools Are Neglected.

By S. H. Small

Of Beaufort, Connecticut, & Tyler, Agricultural colleges throughout the country have been campaigning among the farmers of the nation for better farming, but nothing shows the imperative necessity of better farming more than the report of H. L. Russell, dean of the college of agriculture of the University of Wisconsin.

It is estimated that \$1,000,000 a year is eaten up in damage to farm machinery that is improperly taken care of, or left out in the rain and snow.

On an experimental trip covering 50 miles, Dean Russell saw the following machinery in the field, where it had been dropped at the end of the day's work and left to rust: two corn binders, one grain binder, one tractor, three mowers, two disc harrows, one hay loader, one wagon, two gang plows, two hay rakes, one side delivery rake, and one manure spreader.

COST IS \$1500

To buy new machinery like the above would cost \$3500 at least. The way in which it was neglected would reduce its life two-thirds.

From the writer's own personal investigation, at least 10 per cent of the machinery of this state is left exposed, although a \$300 implement shed would pay interest at a rate of approximately 25 per cent on each \$1000 worth of machinery investment.

It is not alone a question of saving money through the long life of implements that are taken care of. It means that you have the implement ready for use when you want it. It means that it will run swiftly and economically when you want it. The manufacturer is a great deal more interested in how you use your implement after you buy it than you may imagine.

The manufacturer knows that every implement that is giving satisfaction is an advertisement that will do him a great deal of good. He knows that when the implement left his factory it was in perfect order, but he can only hope that, after a year's hard use it will be given a chance to produce for the next year.

GIVE THEM CHANCE

Give them a chance! Protect them in winter from the weather. You do not expect your automobile to run without oil—why expect a power implement to do so?

Will it pay to give your implements a chance? Several years ago a farmer, who, like many others, had pitched hay since boyhood and grown tired of the job, bought a hay loader. He knew nothing about the machine. There were none like it in the neighborhood, and the only things that he had to go by were the advertisements he had read and the book of directions that were sent him.

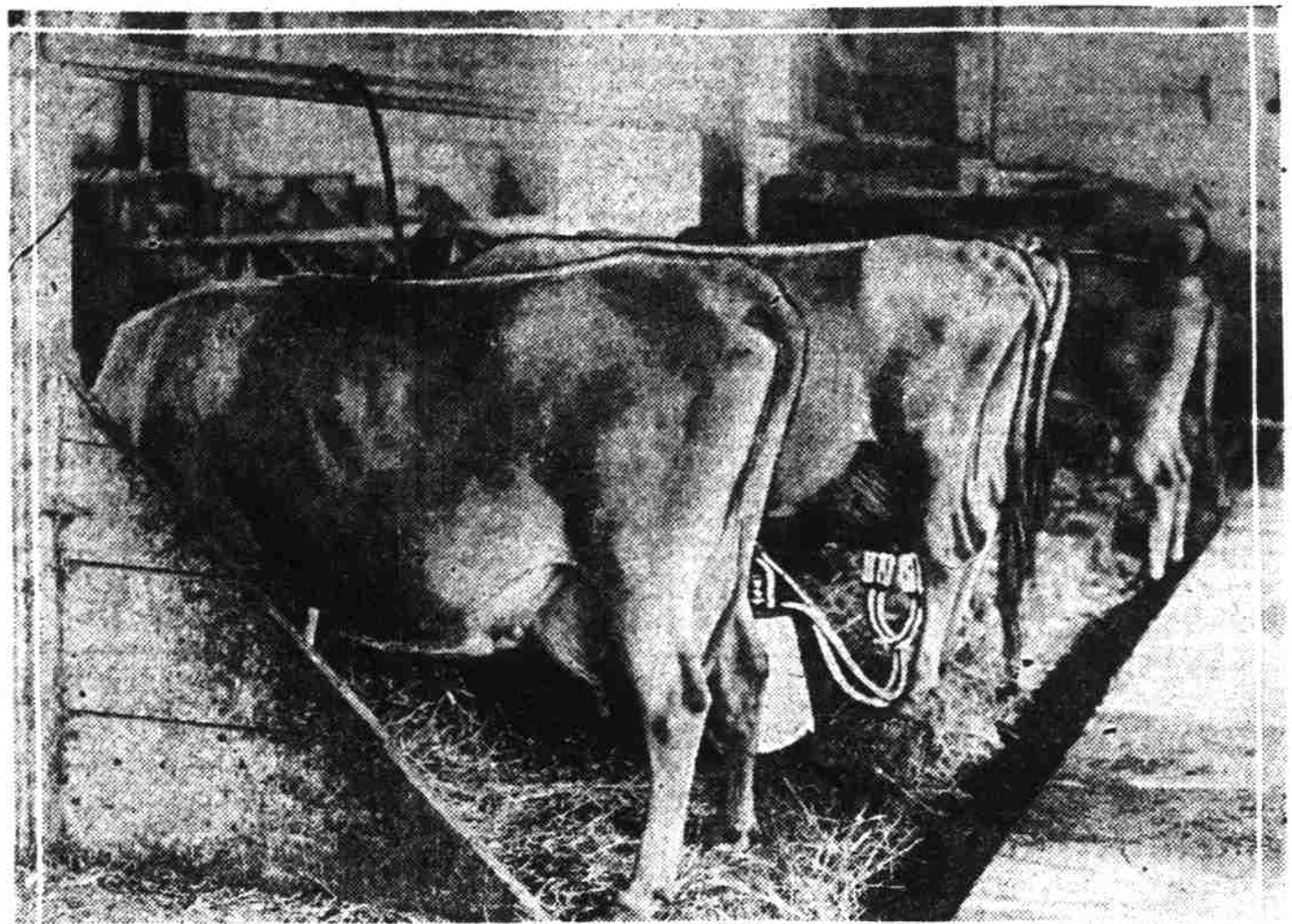
It was a question of hiring extra help through the hay season, or buying a loader. No hopes were held as to the length of time that the loader would last, and it was expected that it would go to pieces in seven or eight years.

The first year the loader made good with a vengeance. It was found that loose prairie hay could be handled better than with hand pitching.

BECOMES GREAT FAVORITE
At the end of the first year the loader was a great favorite, especially with the men who had formerly pitched hay by hand. So it was decided—and, now, 16 years later, while not an up-to-the-minute loader, it is still on duty. And that is an example of the value of giving implements a chance.

The particular farmer mentioned above

"BETTER FARMING" REDUCING COSTS



A well known dairy herd being milked by machinery. The modern milking machine is a labor and time saver and helps reduce cost of production.

Feeding Damaged Grain Dangerous To Fowls' Health

Although it is good management to allow poultry to rustle about in grain fields and stack yards after the grain crop has been stacked or threshed, it is essential to exercise particular care that the fowls are not injured by feeding damaged grain. Specialists of the United States department of agriculture assert that where damaged grain is fed in limited amounts to the flock which is on free range, the possibility of serious injury is reduced to a minimum. On the other hand, they state that it is advisable not to feed the damaged grain—and never to use this material if it is moldy or musty—in anything but very small amounts where the fowls are closely confined all the time. There is an inexplicable something about the range which the birds have as well as the waste products which they utilize that apparently keeps them healthy, so that they are able to handle small amounts of grain which are not too seriously damaged. It is especially necessary to watch corn and corn meal, as these feeds are inclined to spoil rather easily.

happened to talk to me some weeks ago. He wanted to buy a new hay loader of the same type as he had. I explained that this company had gone out of business, and that I understood that their hay machinery was not satisfactory. And, after we had talked, we both agreed that half of the battle is giving the machine a chance.

This man just bought a new hay loader—the best that money can buy. But you can be sure that he has invested his money in something that he knows will bring him returns, because he is going to take care of it and make this one last for 16 years more.

You, or your farm—are you giving your implements a chance to do what the manufacturer claims for them?

Clover Production Small
A clover seed production in Oregon equal to only 15 per cent of a normal crop is expected from the greatly reduced acreage that has been or will be harvested this year. The increased acreage of wheat has been responsible for much of the decrease in the clover acreage. The fields are very weedy, and many root borers have been working in them.

Read the advertisements on the farm pages of The Journal. When answering advertisements always mention the farm pages.

CONSIDER HEALTH OF BIRDS IN BUILDING HOUSES FOR PIGEONS

Plenty of Windows to Provide Sunlight and Ventilation an Important Item.

The essentials of a pigeon house are fresh air, dryness, and good drainage, sunlight, and space enough for the comfort of the pigeons.

A southern or southeastern exposure is best. Care should be taken to construct a house that can not easily become infested with rats, and it is best to leave space under the house into which cats and dogs can go for rats without being able to get at the pigeons. This is usually accomplished by building the house 12 to 24 inches above the ground and boarding up the space between the ground and the floor, but leaving small doors for cats and dogs. Floors built several inches above the ground, except in warm climates, should be double, with building paper between the layers. The house should be tightly constructed on all sides to prevent any drafts. While more open and less expensive houses may be built in warm climates, the house must be comfortable in cold weather. The squabs produced in winter may be increased somewhat by heating the pigeon house, but this does not pay under average conditions. Sunlight is essential.

Windows should make up about one-tenth of the front of the house and be so arranged that they can be taken out during the warm weather. One window in each pen may be replaced by muslin curtains for ventilation in cold weather. The windows should be placed just below the eaves to allow the sun to shine well back into the house.

A gable roof building 10 by 15 feet wide, 6 feet from the floor to the eaves, and 8 to 9 feet to the ridge, makes a good pigeon house. A pen 8 by 9 feet will accommodate 25 pairs of pigeons, while 40 pairs may be kept in a pen 8 by 13 feet. The necessary floor space to allow per pair varies from 2 1/2 to 3 square feet, according to the size of the pen, as a pair of birds requires less floor space in large than in small pens. From 20 to 75 pairs of pigeons may be kept to advantage in each pen.

Feeding turkeys in the barnyard night and morning will accustom them to returning home at night to roost.

Style 698, top, for little gentlemen, comes in sizes 8 1/2 to 13 1/2; copper toe tip and double thick half sole. Style 463, bottom, boys' box calf blucher, medium sole, Goodyear Welt, sizes 1 to 5 1/2.

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Our proposition on Billy Buster Shoes is unusually attractive. Let us send you full information—catalog and prices.

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Seattle, U. S. A.

It will pay you, if need be, to go out of your way to obtain Billy Buster Shoes for your boy. They wear extra long because they are built extra well. The half soles of many are double. Some numbers have copper toe tips. The tops of some are double weight. All without a sacrifice of style. Better looking or more comfortable shoes than are found under the Billy Buster name are not made.

They Last
A generous use of material, unstinted workmanship and a knowledge of what a shoe for boys should be accounts for the longer life of Billy Buster shoes. Shoe standards for men, women or girls, will not do for a boy. He wears a shoe harder. He is rougher. His needs must be understood before they can be met. We know his requirements. And Billy Buster shoes are built up to them. Shoes thus made could hardly do other than wear exceptionally well.

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Fit your boy out in Billy Buster shoes. Note how they wear. The first pair will win your lasting preference—that we are certain. Thousands have come to them in this way. No other shoes are now acceptable for their boys.

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COWS' STERILITY CAUSES BIG LOSS

Prevention by Cleanliness on Farm Much Cheaper Than Curing or Killing.

By Murray Howes, D. V. M.
It is pitiful to see the many, many fine, productive cows being driven to the slaughter house day after day as the result of sterility or barrenness.

This condition is largely preventable. It is to a great extent the result of infection. It is not the purpose of this article to go into the various specific infections or other causes of sterility or into a detailed explanation of the anatomy of the parts concerned. This is simply a plea for cleanliness and the saving of valuable cows that are being needlessly sacrificed.

For those wishing a rather detailed description of the disease, its causes and treatment, readers are referred to the second biennial report of the Oregon State Livestock Sanitary board for the period ending December 31, 1918. This report covers this condition and many others in a very able manner.

When a cow has a retained afterbirth or a discharge after calving, then is the time to work for cleanliness. This condition should be remedied. A clean uterus is a necessity for the successful carrying out of conception and reproduction. Clean up this condition and you will be amply rewarded.

Use judgment. Do not allow a retained afterbirth to persist and become infected with fever. This infects the vagina and extends into the womb. By all means get a veterinarian or a man competent to remove the menage. Cleanse the vagina daily with mild antiseptics until all discharge has ceased.

Caution. Do not use too strong an antiseptic or inject large amounts of much more than the cost of prevention. Curing requires expert training and special instruments in the hands of a veterinarian.

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Hoops Went Out of Style Four Years Ago With Us.

It swells and shrinks up and down and so conforms to Nature's law, which, if you violate, you suffer for it. It stands straight whether full or empty. Why buy trouble? No manufacturer has ever stood by his product better than we during its perfection.

B. M. Smith, Aurora, Oregon, Route 5, recently bought his third three seasons straight, although offered other makes one third under price to break the string. Mute evidence.

The same has been done by many others. Do you want their names?

Stay Round Silo Co.
Main 7460. W. H. Monroe, Mgr.
501 Dekum Bldg., Portland, Ore.

Style 698, top, for little gentlemen, comes in sizes 8 1/2 to 13 1/2; copper toe tip and double thick half sole. Style 463, bottom, boys' box calf blucher, medium sole, Goodyear Welt, sizes 1 to 5 1/2.

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POULTRY NOTES

Young turkeys must not be allowed to get wet.

Keep them free from lice by dusting with a good insect powder. Dust the hen, too.

The turkeys must not be allowed to run on dirty ranges or in filthy quarters. Water should be given in small and shallow dishes.

During the first week feed with sifted rolled or ground oats, cooked and crumbled, and mixed with a beaten egg. With this give milk and curd. Feed five or six times a day.

Add a little raw meat, fine chopped onion and green food daily.

During the second week put wheat and ground bone in boxes where the young can get at it, and give them three daily feeds of mixed oatmeal, wheat middlings and ground oats, cooked and mixed with chopped green food.

Remove the coops to fresh ground frequently in order to avoid filth. Supply a dust bath, fine gravel and ground bone.

Turkeys are tender until their feathers are full.

Fresh bone, finely cut, is a good treat for the young.

On dry, warm days let the young range; but never on wet, cold days.

Turkeys should have a roost in an open shed facing the south.

One gobble will answer for 20 to 25 hens, as a single male fertilizes all the eggs a hen will lay during the season.

Mate pullets with 2-year-old gobblers or yearling gobblers with 2-year-old hens.

The turkey is a range bird and can not thrive in confinement after reaching full size.

Once fully feathered the turkeys generally are able to look out for themselves.

Australian Embargo On American Apples To Remain in Force

The department of trade and customs of Australia has sent the following statement to the American consul general at Sydney regarding the embargo against the importation of American apples into Australia:

"In reply to your letter relative to the importation of American apples, I desire to inform you that the present embargo was found necessary in order to protect Australian producers, who, owing to the shortage of refrigerated space, have been able to export a portion only of their produce.

"The question of lifting the embargo has just received careful consideration, but in view of the large stocks of apples at present in Australia, it has been decided that no change can be made at present.

"It is suggested that you make further inquiry in September next when the position will again be carefully reviewed."

Grade Jersey Cow High in Butterfat

A grade Jersey cow owned by S. Del Ponte was high for butterfat production in the Kiamath River Cow Testing association for July, according to report from the University Farm at Davis. This cow made 71.1 pounds of butterfat. In the Alameda association a registered Jersey made 69.82 pounds, the highest record of the association for the month. She is owned by the Koopman Dairy company.

71c—Butter Fat—71c

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Complete Dispersal —OF THE—

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80 HEAD OF REGISTERED HOLSTEIN CATTLE

Every one raised, bred and developed on this farm. A herd that is entirely free from disease.

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Monday, September 29

10:30 A. M.

Near Scappoose, Or., on the Astoria Branch of the S. P. & S. R. R.

Get off at Johnson's Corners or on the hard surface road, 20 miles from Portland.

This is a Quality Sale in every respect.

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