

LONGHORN VS. SHORTHORN

EVOLUTION CONSUMED HUNDREDS OF CENTURIES.

Longhorns a Necessity Before Railroads
Invaded Great Range Districts—The
Shorthorn Taking His Place.

The curious scientific doctrine of the survival of the fittest has stronger exemplifications in the contest for supremacy among the longhorns and the shorthorns. The struggle has long, the steps in the evolution consuming hundreds of centuries. According to the biological philosophers, it took countless thousands of years to acquire the frontal ornamental horns of the longhorn. It has taken fully long, by steps still more remarkable, to lose or modify them. The former case nature alone operated through the principals of natural and sexual selection. The latter case man became a factor and it was by a system of breeding along the natural law, the long horns gave place to the shorter entirely without or with horns much diminished. Truly aside, however from mere feature or characteristic, forceful reasons were in operation to displace the one with the other. The longhorn bred to another day, the day the frontier and the pioneer of the olden days, the prevailing all over the west was the rugged, longhorned animal, slab-sided, much daylight to them, short of back, narrow rump and deficient in making qualities, occupied vast plains of northern Mexico, the Llano Estacado of Texas, slopes of the Sierra Madre every valley between the Mississippi and the Rocky mountains. They were driven in of countless thousands for hundreds of miles to the market of the Mississippi valley furnished the hides and tallow for all industries needing articles. As beef cattle were conspicuous failures, meat being accepted because nothing better could be had.

When the railroads invaded the range and built shipping pens from the main lines to the long pens at the ranch, the excuse for the propagation of the longhorns was obliterated. Here this the longhorn was an absolute necessity. When it was necessary to drive cattle for market hundreds of miles to the nearest shipping point, the longhorn was equal to the task. Beside him fat, sleek shorthorn would have died by the way. The first few hours of the day, but the "Texas ranger," as he was called, was famous for speed and endurance. Modern rival was an impossibility under frontier conditions.

The problem of water supply was another factor in the culture of longhorns. In the early settlement of the southwest the men were forced to depend on the streams that afforded perpetual supply of water and there are few of them. That before the day of the windmill and the artificial lake. Only longhorn could find pasture on the hills many miles from streams and make daily range to the water without detriment to his physical condition. This he would do at a pace that taxed the enduring quality of the hardy mustangs of "cow punchers." The ability of the longhorn to withstand hardships was wonderful, and he peculiarly to the period. A Texas "norther," would freeze a tender lamb to death, had no terror for the hardy long-legs that see the limitless plains.

The early settlers were not used to provide shelter for stock, but the longhorn had no coddling and sought own shelter in the hills. It will be seen that the very nature of the longhorn was an argument to him, when we consider the prime object for which cattle are raised. Endurance, hardihood, speed and capacity for self-support were not qualities that made good fat, not muscle, meat, bones, compactness, not agriculture the qualities sought in

MAINTENANCE EARTH ROADS

PROPER DRAINAGE ONE OF THE MOST IMPORTANT POINTS.

Interesting Article Sent Out by U. S. Office of Public Roads—Practical Suggestions That Should be Heeded.

We may recognize the value of hard and durable roads in all parts of the country, but still the fact remains that for a long time to come the majority of the roads will be composed of earth. Furthermore, in about nine months out of the year, the earth road, if properly cared for, is reasonably satisfactory. For many agricultural districts, it is the only road at present available. Hence, these communities should set themselves seriously to work to learn the best methods of maintaining earth roads and of getting the maximum service from them. Prosperity comes to the country to a great extent through the prosperity of the farmers. This fact strongly suggests the importance of giving the earth road every possible care and attention in its location, drainage, construction and maintenance.

An earth road composed of water holding soil should be exposed to the sun and air as freely as possible, as comparison between the shaded and sunny portions of such a road will easily indicate. This should be accomplished by clearing a sufficient amount of trees and undergrowth away from the road. It must be remembered, however, that sandy gravelly roads require moisture and in these cases some shade should be retained. Furthermore, trees are beneficial along river banks and on steep grades subject to washing.

Drainage is one of the most important points to consider with an earth road. The majority of earth roads in all mountainous and hilly districts have too much drainage. Occasionally a road will be found with five ditches, three in the middle made by the horses' hoofs and by wheels of the vehicles, and two on the sides. All well constructed earth roads are supposed to have no more than two ditches, one on each side of the traveled roadway. Keep the water out of the middle of the road by giving it a crown or elevation in the center of seven and one-half inches above the top of the inner slope of the ditch for a 20-foot road, and where the hills are a little steep make the crown ten inches. With a crown of about one inch from the foot from the center to the sides, the ditches which are often built across the road on steep grades to deflect the water will not be needed. Instead of carrying water across the road in open ditches, tile or concrete drains should, if possible, be provided. They should have sufficient capacity and fall to carry the maximum amount of water that is expected to flow through them at any one time.

The capacity is increased in proportion to the fall or grade; for instance, 12-inch pipe laid on a one per cent grade will carry 1,800 gallons per minute, while the same pipe laid on a 2 per cent grade will carry 2,500 gallons per minute. Furthermore, a culvert laid flat will soon fill up, while one having a good incline will keep itself clear.

In the maintenance of an earth road, avoid the mistake of changing the natural order of things. Naturally the soil is found on top and the clay at the bottom. If this order is reversed in constructing a road, the result will be less satisfactory than if the soil be left on top of the road, for soil makes a better surface to a road than clay. If the road bed is largely clay to start with it will be well to place sandy soil or clean sand on top. A covering of six to ten inches of sand upon the clay that persists in breaking up into deep mudholes will usually be satisfactory, and if sand enough be added, this clay will cease to make mud. If the roadbed is composed of sand it can be improved by an application of clay.

The rule for a serviceable earth road, then, is as follows: Make ditches on each side and keep them open; haul sand and gravel upon sections needing this treat-

WINDY POINT CHAMPION HEN

REMARKABLE BIRD WITH AN ENVIABLE RECORD.

Sprinting Sheep Herder That Never Lets Any of The Flock Escape After Once Catching Them Rounded up.

The settlement at Windy Point has become of considerable magnitude and we think we should have some recognition from the outside world. Every one in the neighborhood is busy preparing the soil for seeding next spring. Among those who have been clearing off sage brush are Messrs. Maddux, Fitchet, Skinner, Rosencrans and Norris.

O. E. Thompson has completed his dam, together with proper ditches and will be able to irrigate his crops in future.

Ed. Fritch has been doing his duty in the way of exterminating coyotes in conjunction with the sheepmen of the state. He has succeeded in catching several in the last few weeks.

We have read of the Wright's Point hen that laid 365 eggs last year. We Windy Pointers really don't want to brag or boast of our chickens but we have one hen in this vicinity that really has a record. In fact its a cold day when she doesn't lay two eggs. She is a full blood leghorn owned by Mr. Skinner. This hen is more or less bothered as she hasn't time to set, so it is necessary to get an incubator of 200 egg capacity and by the time one hatching is ready to come off another lot of eggs is on hand ready for the incubator. We wouldn't advise our Wright's Point people to kill their hen, but to get a rooster from Mr. Skinner and it is possible to get something worth while in the laying line.

Grant Thompson's shepherd came down the other day with the information that it would be necessary to provide him with another band of sheep if he was to hold his job as he had lost all those entrusted to his care—he lost his job. Joe Cunningham, a young man who recently arrived here and took up land, offered his services but stated he had no experience and didn't know just how he would get along. He accompanied Mr. Thompson out to the camp and most of the lost sheep were found. The new herder was instructed to look out for tracts as there were possibly other stray sheep and sure enough the second day he discovered tracks which were followed a short distance when he came upon some animals that looked like stray sheep but of a rather peculiar color. They were chased some ten or twelve miles over the bluffs on Beaver creek, but at last were brought into the band. The herder in speaking of his experience said he could easily overtake them going down hill and hold them a good race upon level ground, but they would gain on him going up hill. Later Mr. Thompson went up to see how he was getting along when he was told by the new herder that five strays had been lost so long that they were real wild and if they didn't quiet down and feed with the others he would simply run them to death. Mr. Thompson investigated and found he had five antelope in the band.

O. E. Thompson and wife went to Burns the first of the week to make proof on their desert.

SOCIETY SLIM.

Ira Mahon, son and partner of James Mahon the well known Harney county stockman, was an Ontario visitor yesterday on route home from a weeks sojourn in Portland, where the young gentleman was initiated into the Shiners degree in Masonry.—Ontario Democrat.

FALSE REPORTS DENIED.

"There has been industriously circulated by way of newspaper advertisements, and otherwise, over the name of F. P. Rolfe, statements to the effect that Congressman Towney, after a conference with the commissioner of the general land office, advised his son that persons filing

MINISTERS WITH HATCHETS.

A Baker City press dispatch says: A sensation such has not been enjoyed in eastern Oregon since the assassination of Harvey Brown was sprung late yesterday afternoon when a dodger issued by the ministerial association of this city was circulated. The circular charged Baker City with being a "Stink Pot of Corruption."

Among the specific charges are these: that Judge Smith of the circuit court and Mayor Johns were seen drinking beer at a saloon bar four and one half minutes prior to the opening of the Harvey Brown memorial service; that a prisoner in the county jail accuses Judge Smith of being intoxicated during the progress of his trial; that boys and girls are allowed to wander about the city at all hours of the night; that the skating rinks are allowed to open on Sunday; that one of the members of the civic purity committee once found a policeman in a gambling den, gambling.

Mayor Johns today refused to deny that he had been seen drinking and playing a slot machine four and one-half minutes before the Harvey Brown memorial service last October.

Apparently the mayor was not greatly exercised over the charge of the ministers. Judge Smith, who was accused of being with the mayor in a barroom at the time, is out of town.

WILL RACE FOR \$2,000

Ever since the Prineville race meet last fall there has been a controversy as to the relative merits of "Brandy," a racehorse owned by Meyer & Brown of Paulina, and "Patay Brown," a fleetfooted one owned by T. F. Buchanan, proprietor of the Hamilton Stables. Backers of both horses have got together and a race for a purse of \$2000 is the result. The date is set for May 5. One thousand dollars has been posted with Granville Clifton, of the firm of Clifton & Cornett, and the balance of the purse must be put up on or before the day of the race. The horses are to run a quarter of a mile. Hugh Lister is backing "Brandy," and Messrs. Buchanan, Bedell and A. M. Zevely will put up the coin on "Patay Brown."

It has been suggested that a spring race meet be held at the same time, as horses from Klamath and Grants Pass would come here at that time.—Prineville Journal.

TEACHERS' EXAMINATION.

Notice is hereby given that the County Superintendent of Harney County will hold the regular examination of applicants for state and county papers at the courthouse in Burns, as follows:

FOR STATE PAPERS.

Commencing Wednesday, February 12 at 9 o'clock a. m., and continuing until Saturday February 15 at 4 p. m.

Wednesday—Penmanship, history, spelling, physical geography, reading, psychology.

Thursday—Written arithmetic, theory of teaching, grammar, book-keeping, physics, civil government.

Friday—Physiology, composition, algebra, English literature.

Saturday—Botany, plane geometry, general history, school law.

FOR COUNTY PAPERS.

Commencing Wednesday, February 12, at 9 o'clock a. m., and continuing until Friday February 14, at 4 o'clock p. m.

Wednesday—Penmanship, history, orthography, reading, physical Geography.

Thursday—Written arithmetic, theory of teaching, grammar, physiology.

Friday—Geography, school law, civil government, English literature.

Yours truly,
L. M. HAMILTON,
County Superintendent.

NO TRESPASSING.

Hunting is forbidden upon my place adjoining Burns. Trespassers will be prosecuted.
C. H. VOEGTLY.

NO TRESPASSING.

Notice is hereby given that building and shooting upon the enclosed lands of the American Land & Live Stock Co. is strictly forbidden. Any person or persons found hunting or trespassing will be prosecuted to the full extent of the law.
E. B. HILL,
Ranch Manager.

NOTICE

Being unable to give our personal attention to the collection of the accounts due us, the same have been placed with Mr. U. H. Leonard. A year having elapsed since the dissolution of co-partnership a prompt settlement of the same is requested.
MADSEN & GRAY.

Religious Services.

First Church, Christ, school at 9 p. m. Sunday. Sunday school 2 p. m. Wednesday evening meeting at 7:30. Meetings are held in McMillan's Stable.

Rev. A. J. Irwin will preach at Harney the 2nd Sunday of each month at 11 a. m. and 7:30 p. m. Sabbath school every sabbath at 2 p. m.

The Harney Sunday school meets at 2 o'clock each Sunday and a cordial invitation is extended to all who can attend to meet with us.

At the Presbyterian church Burns, Rev. A. J. Irwin pastor. Divine services the third and fourth Sundays of each month at 11 a. m., and 7:30 p. m. Sabbath school at 10 a. m. every Sabbath morning.

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RESTAURANT

China George, Proprietor,
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UNITED STATES COURT OF CLAIMS

The Publishers of Webster's International Dictionary's claim that it is in fact the most complete and accurate dictionary ever published is sustained in every detail, and every copy is entitled to the payment of adequate compensation for the larger and superior requirements of another generation.

We are of the opinion that the allegation most clearly and accurately describing the work that has been accomplished and the result that has been reached. The dictionary, edited in every detail, has been corrected in every part, and is entirely adapted to meet the larger and superior requirements of a generation which demands a more complete and accurate work than any generation that the world has ever known.

It is therefore necessary to ask that we refer to the dictionary in our judicial work as of the highest authority in matters of definition, and that in the future (in the past it will be the source of constant reference).

CHARLES C. NOTT, Chief Justice,
LAWRENCE WELSON,
JAMES H. PEARCE,
MERRIAM & WEBSTER.

The above refers to WEBSTER'S INTERNATIONAL DICTIONARY

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