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A WADE does 10 mens work Saws 25 cords a day!

A money-maker and hard work saver for land clearers and wood-cutting contractors. One man can move it from cut to cut. Simple and reliable. Hundreds in use all over the U. S. When not in use for wood cutting, the 4 H. P. motor will run mills, feed mills, feed cutters, pumps, etc. Quick deliveries from our 100 points throughout the United States.

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"I have saved through this saw solid log stacks at the rate of one foot a minute."—G. F. Myers, Lanes, Calif.

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THE only tires built to an advertised Ideal—an Ideal that definitely indicates the policy and aim of the makers of Fisk Tires.

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ACKLEY & MILLER

SALAMANDERS OF GREAT SIZE

Proof That Species Long Extinct, Sometimes Attained a Length of Five Feet.

In Europe, some time ago, bones were dug up of some newts which in life had been about five feet long. Every boy is familiar with newts, which he calls "salamanders," commonly found in brooks and ponds. A specimen five inches long is a big one. But five feet—they must have been monsters.

Of course these giant newts were of long-extinct species. It would have been interesting to live in those days, when so many queer monsters (mostly of aquatic habits) swarmed the earth. They seem to have been among nature's earliest experiments, abandoned later.

There were no mammals then; and the supposition is that all mammals of today, including man, were originally derived from a reptilian ancestry. We cannot say for certain that this queer reptile (which lived about 7,000,000 years ago) was not actually an ancestor of our own.

It was dug up in Texas, and has been named Dimetrodon. About eight feet long, the most curious thing about it was the enormous fin it carried on its back—the ribs of the fin being a series of bones extending from the vertebrae.

Of what use was this fin? Perhaps it was merely ornamental. Or it may be that it was a means of defense.

MISTAKES ABOUT SEA WAVES

Really They Are Not Nearly as High as Some Voyagers Have Asserted.

Voyagers on stormy seas come safely ashore and tell their friends of waves that rose mountains high and at times threatened to overwhelm the vessel on which they braved the deep. The untrained eyes of the amateur seafarer generally exaggerate the height of the waves, and when the statement is made that the water rose at least 100 feet above the vessel it is seldom that any of the auditors can disprove it.

Exhaustive observations made by scientists give the maximum height attained by waves at not more than sixty feet, and then only when the wind has been of hurricane force. The average height of waves in a strong gale is about thirty feet, in a whole gale about thirty-seven feet, and in a storm about forty-five feet. The scientists further state that if waves travel as fast as the average velocity of the strongest winds and if there be swifter waves produced directly or indirectly by action of the wind upon the sea they do not attain sufficient height to form noticeable breakers.

Moros Skilled Iron Workers.

Bolts, huge, heavy and keen-edged knives that are swung with both hands or may be used for thrusting, were effective weapons used by Filipino soldiers in their rebellion against the United States at the expense of American lives.

Their merits were appreciated by the Americans, and, at the advice of Gen. Leonard Wood, were adopted and are in use today as a supplementary arm for the United States troops in the Philippines.

The finest and most elaborate bolts, of many different patterns and shapes, are used by the Moros of Mindanao and the Sulu islands, who make them themselves. The Moros are skilled workers in iron, although savages. They know how to get the metal from its ores, and the production of good steel is no mystery to them. They are said to have learned these arts originally from the Arabs.

Poison Gas Born by Accident.

Some years ago a disastrous fire followed a chemical explosion at Grolshelm, near Frankfurt-on-the-Main, in Germany.

Fire engines came rushing up, but as they approached the men were seen to fall from their seats. Spectators running after them dropped as if shot, and meanwhile the blaze increased, involving fresh buildings, and even crossing the river into the village of Schwannheim.

What had happened was this: The sudden mixture of vats of different chemicals under intense heat had filled the air with a gas of so terribly poisonous a nature that those who came within its deadly influence were suffocated at once. Fifty-one dead, and three times that number injured, was the result of that terrible fire. This accident led to the use of poison gas in warfare.

Spilling the Chestnuts.

One Sunday in the late fall I took my sweetheart to the country to call on one of her cousins, who owned a farm on which were some chestnut trees. During the afternoon, we gathered chestnuts, filling everything that would hold chestnuts, even to my overcoat pockets.

That night we all drove to a neighboring village to church. I was holding my overcoat on my lap when the audience arose during the prayer service. The preacher had just begun his prayer when a noise like a Lewis machine gun broke upon our ears.

In arising, I had taken hold of the overcoat, turning it upside down and spilling the chestnuts, which rolled toward the pulpit amid the giggles of the younger couples, and to my utter horror. Is it any wonder I was afterwards called "Chestnuts" in that community?—Chicago Tribune.

Announcement.

C. J. Edwards, of Tillamook, Oregon, solicits the support of the Republican voters of Washington, Yamhill, Lincoln, and Tillamook counties for joint senator. A resident of Yamhill county for thirty-four years, and the past six of Tillamook, together with having served in the house the past two sessions gives him a knowledge which has qualified him for the position of joint senator. Your vote is solicited May 21st.

SOME TALES HARD TO DOWN

Particularly True of the Story of the Grizzly Bear That Climbs Up Trees.

The hunter who comes home with a tale of how he took refuge from a grizzly in a tree, and how the bear climbed after him, is a nature fakir, pure and simple, as Enos A. Mills reminds hunters in the story of the "Adventures of a Nature Guide." Yet this curious misapprehension of the climbing abilities of the greatest of the Ursidae persists in many quarters and is not always accounted for by mendacity. It seems to be a reasonable explanation that when a grizzly sets out in pursuit of a more or less inexperienced sportsman, the latter is not always in the attitude of a calm investigator. Things are not precisely what they seem when the normal positions of hunter and hunted are reversed.

It is the task of more than one generation to put end to nature faking. Colonel Roosevelt, if he were alive, would take delight in indorsing the works of Mr. Mills, who has recently become famous as a national park guide, who revealed the delightful possibilities of guiding in the wilderness as a profession for ambitious young men. The wilderness, says Mr. Mills, is really the safest place in the world for defenseless human beings.

Not even the catamount or puma is dangerous. Colonel Roosevelt had already assured us on this point, but the statement will bear repetition.—Portland Oregonian.

SPIDER'S THREAD HAS VALUE

Practically Indispensable in the Construction of Telescopes for the Astronomer.

The threads of the garden spider are fixed by astronomers in their telescopes for the purpose of giving fine lines to the field of view, by which the relative positions of stars may be accurately measured.

For a century astronomers desired to make use of such lines of the greatest possible fineness, and procured at first silver wire drawn out to the extreme limit of tenuity attainable with that metal. They also tried hairs (1-500th of an inch thick), and threads of the silkworm's cocoon, which are split into two component threads, each only 1-200th of an inch thick. But in 1820 an English instrument-maker named Throughton introduced the spider's line. This can be readily obtained three or four times smaller than the silkworm's thread, and has also advantages in its strength and freedom from twist.

In order to obtain the thread the spider is carefully fixed on a miniature "rack," and the thread, which at the moment of issue from the body is a viscid liquid, is made to adhere to a winder, by turning which the desired length of firm but elastic thread can be procured.

Victory of Courage.

The man or woman who ventures much may fall often, but he will achieve in proportion to those very failures because he will use each one as a stepping stone to higher effort.

But the man or woman who quibbles, reconsiders, hesitates and weighs every gain against a greater loss is a predestined failure, because his very attitude should be avoided.

He who falls with his face forward in the battle is not a failure, but a hero. Failure lies in turning the back on the foe, to retreat before the enemy.

When we speak of success we should not think in terms of money or position or fame, but of moral courage, high endeavor, honorable achievement. And when these are translated into active service the world will become that Utopia of which so much has been written and sung.—Milwaukee Sentinel.

Advice to Teachers.

Let your scholar be never afraid to ask you any doubt, but use discreetly the best allurements you can to encourage them to the same; lest his overmuch fearing of you drive him to seek some misorderly shift; as to seek to be helped by some other book, or to be prompted by some other scholar; and so go about to beguile you much, and himself more.

With this good way of understanding the matter, plain construing, diligent parsing, daily translating, cheerful admonishing, and heedful amending of faults, never leaving behind just praise for well doing, I would have the scholar brought up withal, till he had read and translated over the first book of Epistles chosen out by Sturmius, with a good piece of a comedy of Terence also.—From "The Schoolmaster," by Roger Ascham.

Height of Sea Waves.

The records of average height in feet observed at sea are approximately equal to half the velocity of the wind in statute miles per hour. For those occasions on which the wind has had as full opportunity as it ever enjoys of doing its work, direct proportionality still holds good, but the constant is higher. It has been found that seven-tenths best satisfies the available observations between a strong breeze and a whole gale. The same simple proportion, however, does not hold when dealing with the heights corresponding to the gentlest breezes. The highest waves finally formed are those traveling at a velocity which is equal, within the error of observation, to that of the wind.—Brecklyn Eagle.

To the Members of the Republican Party.

I am a candidate for the office of District Attorney for Tillamook County and will be glad to have your support at the coming primary election.

If I am nominated and elected I will perform the duties of the office to the best of my ability, and endeavor to serve all of the people by an efficient, just and equal enforcement of the law.

T. H. Goyns.

ELECTION, MAY 21

STATE ROADS

Vote 302 X Yes
For 4% State Road Bond Limit

BALLOT TITLE IS AS FOLLOWS:

302 X Yes
303 No
CONSTITUTIONAL AMENDMENT—Referred to the people by the Legislative Assembly.
LIMITATION OF FOUR PER CENT STATE INDEBTEDNESS FOR PERMANENT ROADS.—Purpose: To amend Section 7 of Article XI of the Constitution of the State of Oregon so as to permit the creation of debt and liabilities including previous debts and liabilities for the purpose of building and maintaining permanent roads to the amount of four per cent of the assessed valuation of all the property in the State of Oregon, instead of two per cent as now provided by law.

**NO PROPERTY TAX—NO DIRECT TAX
NO INCREASE IN AUTO LICENSE FEES
NO INCREASE OF GASOLINE TAX**

Keep these three facts in mind. The present auto license fees and gasoline tax will pay both the principal and interest on all the bonds under this amendment, and will yield an annual surplus besides for other state highway work. No additional taxation of any kind.

FEDERAL FUNDS MUST BE MATCHED

Oregon must have sufficient Highway Funds to match Federal apportionments or Oregon cannot get the benefit of Federal money for Oregon Roads. Increasing this constitutional limit is a necessity. Unless limit is increased, either state roads cannot be completed for many, many years, or must be financed by direct property taxation. This measure averts direct property tax for state highways and makes early completion possible. Let's get the roads built now.

Income from Present Sources Sufficient to Pay Principal and Interest.

The fact that revenues from auto license fees and gasoline tax, without increase of present rates, will be ample to pay both principal and interest on these bonds, is clearly set forth by official figures in the State Pamphlet, mailed to every registered voter. Refer to State Pamphlet for verification. Examine the table carefully. It proves that no property tax is required and that present rates for auto license fees and gas tax will redeem principal and interest and yield surplus besides.

For Interest Tables, Pamphlets or further information, write to OREGON ROADS AND DEVELOPMENT ASSOCIATION
W. L. THOMPSON, President, 245 1/2 S. Third
C. C. GUNDEL, General Executive, E. I. Ledy
Campaign Headquarters, 311 Worcester Building, Portland, Oregon
VOTE 302 X YES—For 4% State Road Bond Limit

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Kitchen Ranges and
Heating Stoves.

THE BEST STOCK OF HARDWARE IN
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