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CLIMATE AND WEATHER.

The advance in knowledge which made it possible for meteorologists two or three years ago to predict the rather warm spell which the world as a whole is now experiencing is an advance due rather to perfection of statistical records than to large basic knowledge of the principles underlying the phenomena of climate. In Oregon, where, as we have had occasion to mention before, the climate is nearly ideal, we may not have taken notice of the nature of the weather with which the rest of the world has been visited, but the fact is that 1921 has been a remarkable year, meteorolog. ically speaking, over a very wide area. The famine in China, for illustration, is chiefly due to aridity central Europe and France have suffered heavily: Russia has had a crop failure not altogether due to There are extenuating bolshevism. prospects of rain in some districts. but the average rainfall for the season is considerably below normal.

It is not true, however, as a good many have assumed, that the world's climate is changing appreciably, although the weather varies from season to season. There is no authentic instance of appreciable change of climate within 2000 years. Abundant rainfull and drouth alternate, although causes are as yet but imperfectly understood. The twenty-two-year cycle long accepted by lines, scientists as a general rule is subject to variation because its composite parts have not been analyzed and because its fundamental reasons have not been ascertained. There is, nevertheless, a promising clue in the discovery of the periodicity of sun spots. The sun-spot cycle of about eleven and oneyears fits in a general way with known data concerning drouth be desired. The important concluof the last twenty years, how ever, is that the puny works of man, as deforestation, canal_construction, the plowing of land and the construction of telegraph lines, or even battles and bombardments have practically no effect on weathe and none at all on climate. And although precise data are wanting Africa and America are linked by an for the earlier centuries of the present era, the writings of the ancients together with ascertainable facts ut the flora and fauna of vari ous regions indicate that within measurable periods climate has been

about the same.

filorning Oregoniant that this has yet been attained, but American Medical association that ily the most sceptical will belittle the public aspect of private health should receive greater attention, and the advances which have already

been made TRAFFICKING WINH STATE FUNDS.

Whether the charges against Governor Small and Lieutenant-Governor Sterling of Illinois shall be sustained or not, the factional fight of which they are the outgrowth can hardly fail to bring about improv ment in the handling of state funds, -Invariably in Advance. The defense that it was legal to deposit the greater part of the funds

in a bank owned by the treasurer and his friends, of which the state was the only depositor, and to use them in discounting notes for their 2.50 profit may be technically sound, but such conduct is a plain violation of the spirit of the law and of the trust reposed in public officials. Their action did not agree with the re-quirement that funds be deposited

in banks which the treasurer con-sidered safe and which paid the highest interest, for the state received less than 2 per cent on the millions thus handled. This scandal is another added to many growing out of manipulation of state funds by politicians for their

private profit in various states. They grew out of the idea that "public office is a private snap," which made the office of state treasurer most ought, though the salary is moder-

ate. Banks were allied with the ruling political machine and paid ate. interest. on state deposits, which went into the treasurer's pocket usually to be shared with political friends. Political bankers are seldom sound bankers, and when they failed the state was the loser. When laws were passed regulating state deposits and requiring that interest be paid to the state, not to the treasurer, it was thought that a great advance had been made, but the methods followed in Illinois show that where there's a will there's a way to evade such a law. The real cure is a generally higher conception of duty among public officials, which can be secured best by more careful discrimination on the the people in electing them and by other officials in keeping a check of them. Then men who would be come political associates of such men as Mayor Thompson of Chicago will have no chance of election, and men will be elected to other offices who will be more vigilant than were those who should have discovered long ago

that Illinois funds were deposited in a phantom bank.

THE CRUISE OF THE QUEST. Maps are simple enough as we spread them before us. There are continents, islands, seas, lakes, rivers and mountain ranges, all arrayed for our convenience. Yet any number of men endured danger and hardship to trace those coast or to discover and identify some fleck of land in mid-ocean. And some of them died. Of these sacrifices to geographical exactitude is reminded by Sir Ernest опе Shackelton's proposed return to the mysterious antarctic. Late in August he will sail from England in his ship the Quest, to voyage for more than 30,000 miles in the Atlantic and Pacific oceans, and around the and rainfall, but leaves something to be desired. The important conclu-specialists in biology, botany and geology, and will contribute their findings to these sciences, the basic

purpose of the voyage is to solve some of the problems of geography. The Quest will seek lost islands in both oceans, on its way to and from the antarctic, and will attempt to prove or disprove the theory that under-water continental connection. But mostly it will attempt to penetrate the solitudes of the polar

The task upon which meterolo-gists are now concentrating their Sir Douglas Mawson, and Sir Ernest

not take into account the latest and the future developments of the chinery of war. We need only

by the appeal of certain physicians speculate on the possibilities of airof France for aid in disseminating craft, poison gas and long-range of France for aid in dissemiliating education in hygiene. The display made by the Tuberculosis associa-tion consisted principally of methods the next war the belligerents may dispense with the necessity of transporting great numbers of men S was the proud boast of a fond

of teaching the principles of health to the children of the country, and vast quantities of material Parades and pageants, motion pic-tures and marionette shows are em-ployed to remind the young that ployed to remind the young that supposedly impregnable defenses. mother were angry at first, but when proper selection of food, use of fresh These possibilities are so terrible the explanation was given they air, wearing of suitable clothing and, that the most militarist nation may agreed that it was no fit name for as avoidance of contact with contagi- well quall before them and may cute a littl ous maladies offer possibilities of submit to the rule of reason rather the reason.

ventive measures are far cheaper in the end than doctor's bills.

the American people to preserve their standard of life and their racial purity by preventing overflow into

A BOUGH RECEPTION TO THE SPIRIT: this country. At the present rate of growth without a great outlet it These are hard times for the spiritualistic medium who resorts to is predicted that Japan will face a material things under cover of dark-ness to practice deception. Modern risis about the year 1960 at the who came to a violent end by suicide, atest. On our side the experience or who was cursed by parents or nvention has placed in the hands of of California is proving the sound-ness of the natural law that a low The l sceptical investigators or true be-lievers too many devices for turning standard of life always supplants a on the light. high standard with which it comes the blood of living persons. To pre-

At a recent seance at Lake Pleasinto competition, and this process is vent this they often drive a stake aided in this country by the general through the corpse, burn the body, ant, Mass., Chief Rheamont undertook to recall from the other world drift of population from country to cut off the head or pour boiling oil some spirits, bringing their trumpets with them. Converse Nickerson, a ity and in California by the languor that overtakes white men in a hot spiritualist who regards such an exclimate. Effective exclusion except libition as a discredit to the cult. by agreement is rendered impracturned on a flashlight as the spirits entered. Rheamont struck him on ticable by the long southern frontier and by Japanese control of Calithe head with an unspiritual fornia fisheries which afford facilirumpet and cut his scalp, holding a ties for smuggling immigrants. Then guitar in the other hand, though he was supposed to have been tied tight next thirty or forty years we must in a bag. to our part in making it easy for

If the ceremonies are to be dis at least 20,000.000 Japanese to find turbed in such an unseemly manner, it will be necessary to search the Corea and Manchuria, which have spectators and divest them of flashsix times the area of Great Britain, lights and tie them in bags. Otherwith great undeveloped wealth. It wise no well-behaved spirit will reisit the world to be mixed in a free favorably upon extensive migrations fight with a crowd of grossly material human beings.

of Japanese into Siberia, Mexico and South America." As the latter two countries already have a hybrid population, it is held that no objec-

SIX THOUSAND A YEAR. As a people we have odd notions of affluence. If we think of indetion would or should be raised to another racial ingredient. In order to fortify our own popu-

order to stop the flood, "in the

nomes abroad." Japan already has

suggested that "we should look

pendent incomes it is always in terms of thousands by tens and lation against being supplanted by twenties. Even these fancies seem Japanese or other races of a lower beggared by the plethoric actualities standard of life and of alien culture, of great wealth. So it must have Professor Pitkin proposes that we appeared to an eastern man, force up the standard of living of carcely out of his youth, who could the lower economic classes, put a not devise for himself a rational stop to immigration or greatly re plan of enjoyment on an independ-ent income of/\$6006 a year. To him control. He would turn the tide back the sum was a pittance, without posto the country by adopting the plan sibilities. By his own naive admis- followed by Elwood Mead in Calision he typifies that strange trend fornia to make country, life both toward exaggerated notions of what prefitable and attractive-a plan onstitutes a competence, a trend which would be furthered by exthat is un-American but not par- tensive reclamation and by making ticularly perilous. Not perilous at all, save to the individual, for the sufficient reason that most Ameri-of the kind mentioned is in force. cans are workers and carn by actual though it may need more rigid enoil far less each year than fortune forcement. Birth control will not dropped in this complainant's lap. commend itself to the moral sense Six thousand dollars a year is a of the people, nor does it commend goodly sum. It will suffice for itself as a matter of policy. The European travel, for the exploration professor admits that, in general, nations of low birthrate show so low timate acquaintance with the won-ders of America. To be sure, the increase of population than nations sum will not provide for those ex-travagsnees that are quite aside from travel and sensible enjoyment. But it will, for instance, maintain most excellently a fine home, enable its possessor to keep his own car, free him from all other pursuits to seek his own pleasure or follow his saved the United States spend a least pang of sympathy for the duf-fer who doesn't know what to do life, both economically and socially, and that Japan make like expendiwith it. ture in assisting emigration to other The case is hopeless. Perhaps the

most suitable suggestion that can be than white man's countries. The task before the far eastern offered is that the troubled posses

Those Who Come and Go. The Listening Post. Tales of Folk at the Hotels. "Vamp," Vampire and Bat Con-

"A grocer, the other day, went around to all the other grocers in was the proud boast of a fond Bend and ascertained the amount of money which tourists had left for groceries. The sum was \$260 for papa and we questioned his judgment. Both he and the little girl's the one day. None of this money nother were angry at first, but when would have come to Bend but for the motor tourists. And that sum was only for groceries. It gives an idea

avoidance of contact with contagi-ous maladies offer possibilities of health in after life which have hith-erto been overlooked. Even if physical comfort of good health were not considered, the tendency would be altogether desirable. Fre-ventive measures are far cheaper in the end than doctor's bills.

andly come to be accepted as a word inly come to be accepted as a word in the serbian word sumple, a derivative of praise. Vamp is a derivative of arampire, a bloodsucking bat, it comes from the Serbian word sumple, and the many the Serbian word sumple, and the many free the vampire. They believe that a vampire is the soul of some person who came to a violent end by suicide of the tourist. The legend has it that the vampire the legistic period will event this they often drive a stake free bedy at night and sucks the body at night and sucks the body at night and sucks the body at night and sucks the due to the state free with the magnetic qualities of the due the dam when the project is a state big way engined that it will be outside of the present and the fact that the twarp roof that it will be outside of the present is a defined to locate a new section of the state highway commandies which he is a state big bey at the body at night and sucks the state highway commission yester?
While we are on the subject of bats of the dam when the project is in the object is and what he is inculcates vasily more in derive as the bulk.
While we are on the subject of bats the in the dam when the project is the substant of the subject of bats of the subject of bats of the subject of bats may contracts under way and the subject of bats the in the fact that the the magnetic the subject of bats of the little mammades that fly about the little mammades tha

many confracts under way and the work is moving so steadily accounts for the large expenditure. The weather is perfect for outdoor work and the contractors, almost without exception, are 'hiting the ball' as hard as they can, for they want to complete present contracts in order to be in position to bid on new work for new year. There is scatterly a 'hiting they can, for they want to complete present contracts in order to be in position to bid on new work for new year. There is scatterly a are vampires; they are harmless. Vampire bats are found on this con tinent, but only in Central and South America. Portland's bats are tiny fellows, about 314 inches in length

from the of tail to head, with a wing spread of seven inches. They eat in-sects only and are great for exter-

know about mammals, so Stanley Jewott of the biological survey gave the information, for a bat is not a bird, but a little animal modified for flight by means of membranes used as wings. Take a look the next time you are tround the public library, there are the information that gather ab

Take a look the next time you are around the public library, there are lots of bats there at night, chasing the insects that gather about the street lights. The bats are fast as chain lightning on the wing and get all ightning on the wing and get all hend him. The \$2000 probably bring results." helr food while flying. Their cry

is very harsh and during the day time they hang themselves upside down by means of tiny hooks on the thows of their wings elbows of their wings. They nest under shingles, in crev-ices on the roofs of buildings, or in small dry caves, never where there is moisture. No, they do not lay thows of their wings. moisture. No, they do not lay litter.

In the proper sense of the word

are blind in daytime, but true noc-turnal rovers. The agate industry in Portland is worth \$200,000 a year, according to estimates made by O. H. Smith, who has the largest shop in the game. Smith is an Oregon boy, educated in Salem bigh school, and has been. has the largest shop in the game.

UNION OF COLLEGES DEFENDED More Truth Than Poetry. Dr. Pence Holds No Advantage Would

By James J. Montague

PORTLAND, July 26 .- (To the Ed-tor.)-I note the comments of the residents of Pacific Philomath, Mc-linnville and Albany colleges upon by recent suggestions as to a THE MAN WHO KNEW HOW, cave man, when he Tound his my recent suggestions as to a changed higher educational scheme for Oregon. I also have read your wife was weary of her narrow life,

Be Lost by Co-operation.

And now and then on other men editorial express Bestowed caressing glances. Did not sit down and tear his hair, and wall in accents of despair. I fully agree with their warmes contention as to the primal value o the human touch both within an without the classroom. Garfield's al "As soon as she gets her decree Garfield's al-She'll wed the man she fancies."

> astead he told her to behave or he would shut her in the And if she sighed or cried or tried To see her handsome lover, le made no argument at all but took

a hammer from the wall And with its aid he quickly made A faithful help-meet of her.

Divorce courts then were quite up

known; a lady in the Age of Stone Had little chance for fresh romance,

Once she was safely married. he soon discovered it would pay to love and honor and obey The man she wed till he was dead And most securely buried.

ur modern lovers wed and part, then

make a fresh domestic start. Get sick of that when it falls flat, And once again they sever. The simple honest cave man's course would do away with all divorce.

But those old ways, like those old. days

Are gone, alas, forever!

Hero.

Official life isn't all beer and skit-ties. Look at the deputy sheriff who has got to take Jack Dempsey's car away from him.

Yon Know the Old Adage.

A lawyer in New York, acting as is own attorney, lost a case of whis-ty. Most lawyers who represent hemselves lose their cases. * * *

Never Satisfied.

Lord Northcliffe is now insisting hat Great Britain ought to warm up nother premier.

Burroughs Nature Club.

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1. What is the difference between moths and butterflies?

3. Do crows migrate? sity campus, concentrating upon en-dowment so that they could avail to command for their faculty the ablest

Answers to Previous Questions.

heir way into the earth and what sethod do they use?

can conceive such a faculty, so per-sonneled as to draw a body of youth from far and near to drink at the fountains of culture and to breathe All the blind snakes (family glau conlidae), burrow. So do two hoas of the southwest. The garler snake burrows in winter. The green or brown or worm snake, haiden stin-tula, and the scarlet king snake or Certainly the contact of youth on the campus is a large percentage of their education. It is in a varied hu-man contact of humans on the campus coral snake, orphibolus dollatus, bur -who must there largely learn to "live together" in anticipation of liv-ing and working together-that a university ow, though they also hide under oose stone, etc. The rainbow snake loose stone, etc. The rainbo and the harlequin snake are university education takes special value. amples, the latter so dependent or burrowing that it dies in captivity, unless provided with dirt to burrow in. The method is pushing. I repeat that not one cardinal ad-

value.
I repeat that not one cardinal advantage contended for by the worthy and honored presidents of Oregon colleges would be surrendered by the removal of their institutions to the offer of one of the university campuses. If it has in bulk or quality of educational process or output.
What makes the fire in firefiles, and is the light for beauty or for use?
What makes the fire in firefiles, and is the light for beauty or for use?
The "fire" is supposed to be caused by the action of oxygen brought by the action of oxygen brought by trachea (bronchial tubes, so to speak) in the insects abdomen, on a fatty substance secreted by special organs. Its purpose is to give a signal to the one sex has better luminosity than the other, the less-lighted one has the best developed eyes. best developed eyes.

a Will Baltimore orioles build in apple trees, same as the orchard ori-

Yes. While the preferred tree of the Baltimore is the awaying elm, the bird also nests in the silver maple, and the apple tree, the sugar maple, and the apple tree.

apple tree being perhaps the least common building site. Baltimore ori-oles are valuable in the orchard as they eat many caterpillars, inclu hairy varieties not liked by many birds

Advocating a highway improvement

is moisture. No, they do not lay eggs, they are not birds, but are tiny mouselike animals, covered with a dull red-brown fur, and they usually have three children at a proposed to be included in the road improvement district.

ts atmosphere.

and most highly equationed men.

Can You Answer These Questions?

2. What is the best way to eradiate poison ivy?

1. What species of snakes bore

attention-of discovering if possible the precise nature of outside phe- below the tip of Africa has nomena which are associated with climate—is one of great economic All known a keep for almost a central importance to the entire world. In its nature it is empirical, in that it Cape involves a long series of trials and whether this is a part of the antarccomparisons; science in this respect must be content to reverse the ideal method and reason from the spe-cific to the general, yet if the underlying principle shall ultimately be revealed generalizations of incalculable value will be made pos sible. If it can be finally stated with confidence that certain climatic cycles, even with variations ing heights, and strange species of within themselves, are certain. will be possible for civilized men staunch little ship slips through the to devise a system by which the lean periods will be thriftly provided for the fut years. The principle which we now employ in between season storage will be possible of near the Weddell sea, the posses indefinite extension.

We already have accomplished a fore been revealed to man. Thence good deal in a more restricted field in meteorology. It is fairly well un-dific for New Zealand, diverting her derstood, for example, that in the immediate presence of a hurricane there is small likelihood of heavy rain in the northern part have retreated to unknown islands, of the United States, although this is more than likely to occur some-lost island of Tunaki, said to have

what later, and in winter it is en-tirely practical to forecast major sea, and she will seek for Dougheriy disturbances, such as general bliz- island, the very existence of which is zards. This has been accomplished by the weather bureau with such zards. certainty that livestock men no ward on the last leg of her long longer scoff at a service which has voyage, laden with a rich store of actually saved them from heavy information. economic loss. This has been made

telegraph; local disturbances, which are affected by minor occurrences, such is ideally adapted for the contes as relatively insignificant air and with the antarctic ice, where a ship

river currents and the deflecting must be adroit as well as stout. action of hill and mountain ranges. casting, toward which scientists are working, is brought to mind once own timbers are not more resolute. more by the extent to which the For the Quest is a vessel without a financial condition of the whole predictions made two years ago have crew. That is to say, she carries no world. Japan in particular, which been fulfilled this year, and although professional sailors, but will be ofit will be a mistake to suppose that ficered and manned effirely by the the problem has been solved, those members of the scientific expedi-who know what patience is required tion. This fact appears to dissoin scientific investigation will com-mend the meteorologists and wish ular notion that scientists, somehow

plant crops with a degree of confidence as to the harvest, which may The adage that an ounce of pre-

mean that in prospectively dry vention is better than a pound of years we shall sow grains best cure has been frequently justified suited to arid conditions, and that recently, as, for example, by the exin wet years we shall take advan- hiblt made by the National Tuberof moisture to the full. True culosis association in annual conscientists will be first to disclaim vention, by the declaration of the

But mostly it will attempt to pene mut most solutides of the politic south. Knowiedge of he ainisretic cont is none souther and the transfer of so much casual wealth pro-ceed forbuilt to endow a modew a mode and the day soft as south. Showiedge of he ainisretic cont is south a sum the marges have pene below the tip of Africa has not south as a pene to rest of the none of considering the fate oc-south as a penet ock of the angle is a point of the angle in the graphic form his is point as a south of the angle is a point angle is a point of the angle is a point of the angle ence hinges on mutual recognition ice pack into open water, as she hopes to do. If she escapes the perils that will undoubtedly confront her, she will emerge from the antarctic

of information that has never beinto new, unoccupied or sparsely oc-cupied fields and to live in its own cific for New Zealand, diverting her

crew with less strenuous exploratropical tions. She will seek for the southern seal herd, that men believe to

As ships average, the Quest is possible by the multiplication of diminutive, being of approximately weather service stations and by the 200 tons, with a length of 111 feet, a it beam of 23 feet and a depth of 12. should not be confused with a study Her steaming radius is 9000 miles of first principles, but it is a step in and she also is rigged as a briganthe right direction. Weather bu- tine. Her temerity in braving the reau forecasts in a large sense are polar floes is not so great when one side consists in our habits of thought usually reliable, though the state-ment is not as true as to purely are two feet in thickness, of oak, reaching for commercial supremacy pine and fir, and that her smallness

But of the spirit in which the The value of long distance fore- Quest sails on her voyage of dis-

States for raw material and ma

them well. In some time-perhaps not far distant-we shall be able to hard work done by hire.

of successful invasion of country by the other. demonstrated with much force, and the case is summed up thus:

Japan today is impregnable scainst enmies from without, just as Germany was, and for similar reasons, geographical and conomic. In this respect both countries are like the United States and Russia.

This conclusion, however, does Portland for the peace meet.

A man who stole five cigars has are in their natural colors. The Gerof irreconcilable differences between been sentenced to two years in the man stones are carved in many the two races and of their right to live, grow and prosper. That implies that each race shall concede the right of the other to expand in the semi-precious class.

Many of Portland's people have goes for beauty. way according to its own standards. Unless a complete, fundamental lived somewhere else sometime and when an old neighbor drops in in a flivver there always is a committee of reception to explain life in the agreement is reached and faithfully observed, danger will grow that an affirmative answer must be given to of reception to explain life in the finest city in the land. "Must we

the question: "Must we fight Japan?" which is the title of a book The ordinary married man who tions and is the birth stone for the by Professor Walter B. Fitkin of Columbia university. It is an exhaustive discussion of the Japanese sider the captain in the navy who is problem, which deals fully and paying \$250 a month alimony to two trankly with the influences that ex-wives as the ne plus ultra in "old that ex-wives as the ne plus ultra in "old have been causing the United States hoss" dealers.

and Japan to drift toward conflict. sume superiority and thus to wound the other's pride. The danger from tha side of Japan consists to the sume superiority and thus to wound the other's pride. The danger from A witness defendant is having dif-Each has formed a misconception of the other which leads it to asthe side of Japan consists in the their whereabouts on any particular great similarity of ideas, government night?

_____ and economic conditions to Germany The successful bidder for the Fosin 1914. That from the American ter road sewer gets the contract for many thousands less than the en-gineers' estimate. That is a healthy sign of a return to-early conditions. and colonization of this country. Forces that make for peace are

The Cove district is a small secdisillusionment of both nations as tion of Union county, yet it receives to the value of war in getting results, the solidarity of the intellec about \$50,000 a year for its cherry crop, all outsids money. Any other tuals of all nations in anticipating region can profit by the example. and blocking international crises by open debate and publicity, the shaky

The conclusion we reach after logs around at a marvelous rate. The financial condition of the whole reading of the train holdup near Paris by masked robbers is that ideas of mechanics in that the makers gives strength to the disarmament movement, and the economic de-pendence of Japan on the United France is taking those American moving pictures seriously

chinery. What might prove to be the most powerful influence for The navy isn't to join in the chase seace is the practical impossibility gobs don't rate many joy rides. either

This is Why can't some genius invent an airbrake to limit long-winded telephone conversations?

Congress has officially approved the 1925 fair. Now let's go.

Judge Fowler "cut the mustard." Judge Fowler "cut the mustard." O. L. Patterson, judge of Grant county, is at the Imperial from Can-yon City, a lively mining town in its day. The judge is an enthusiast on road development and since the coun-ty recently voted a large sum of road bonds he is craving action and wants to exchange the bonds for finished highways. "There are so many conflicting ru-mors as to what work is to be done on the central Oregon highway and the John Day highway in Malheur county, that I was asked to drop Into

penitentiary. The court no doubt stances and come way below market took into consideration that the high price of cigars these days puts them ards, but they do not have the tone and brilliancy or the depth of color

that is found here, and this is what Oh, yes! Agates come in many

bring good luck in certain combina-tions and is the birth stone for the month of June. Agates get their name from the river Achates in Greece, where they are found in abundance, but Portland is the world

Greece, where they are found in abundance, but Portiand is the world center for agate cutting just as Amsterdam has the best diamond lapidaries. lapidaries. • • •

attend the highway meeting. The county court in Tillamook has a large amount of road work under way and the roads are being constructed on the right locations and built accord-J. E. Paulson of Portland claims hat he has a revolutionary power dea. He has a machine that uses ing to state standards.

water under pressure for driving an Hugh McLean, who is still the post engine, instead of steam or othe Hugh McLean, who is with the pole-master at Marshfield, was a Portland visitor yesterday. Mr. McLean was appointed during the first year of the Wilson administration and was re-appointed for a second four years. He still has about a year in the office. more usual means of applying power to the drive. He has built a demonstration machine out of an old fire pump and a well-worn auto engine

t is one of the strangest devices ever ing a puzzle. Paulson starts his gas engine, it der pressure into the cylinders and der pressure into the cylinders and the statem as a member of the corps of the truns the pump, the water travels un-der pressure into the cylinders and the statem as a member of the corps of the the statem of the s der pressure into the cylinders and an old woods donkey engine-snakes Alaskan waters.

Minimum Wage for Clerks. engine is said to be contrary to all laim it gains power by having the solid water as an agent for appli-

The minimum wage for experienced for a snake, is able to throw off its for rum runners of the sea. The lose its force by condensation and female clerks is \$60 a month and the tail voluntarily as a means of procompression, as is the case with maximum number of hours per week tection, the act enabling the lizard to

Now He Can Explain.

Chapel Bells. By Grace E. Hall,

Chapel bells at twilight Calling the world to prayer. Echoes of slienced voices Whispering everywhere; Music of throbbing pathos, Pure as angels' tears. Calling to consecration, Conjuring wasted years-Tolling, tolling, tolling, Pleadingly through the gloom, Tenderly in the twilight. Fragrant with early bloom.

Chapel bells at twillight-O, how they urge and call! Waking a melancholy Deep in the hearts of all; Touching the latent worship In the sleeping souls of men, Striking harps, long muted, To vibrant life again; Tolling, tolling, tolling, Mucic of nameless wos tiful bells at twilight. Tender and sad and low

In Other Days.

Fifty Years Ago.

so good and worthy a thing, it should hold itself aloof from serving the widest possible constituency, especial-ly when, by coming under the wider influence of service, it finds its own proper destiny? In fine, may not a Fifty Years Ago. From The Oregonian of July 29, 1871. Paris-The cholera, typhus, plague and famine are still raging in Persia and cannibalism is confirmed. The sovernor of Shieraz has placed a guard at the cemeteries to prevent the unfortunates from disinterring the dead. the dead.

nominational colleges an opportunity to renew their arguments for the rea-sons for their existence. EDWARD H. PENCE. Oregon City has a new fire bell, t weighs 750 pounds and cost \$100.

Steps are being taken to remove he Indians, who have been an un-nitigated nuisance in the north end BAY CITY, Or., July 25-(To the Editor.)-I am looking for a descrip-tion of the "joint snake," which I of the city of Portland.

Sneak thieves have been busy in east Portland and the city marshal has been equally as busy attempting o protect the homes of residents. fall to find in our latest dictionaries Please tell me whether he uses the

Twenty-five Years Ago,

From The Gregonian of July 29, 1896. Baltimore - Joshua Levering was this evening officially notified of his nomination for president of the United States on the prohibition ticket

The establishment of water mains in Sellwood has been of great benefit to the suburb in that it has enabled the volunteer fire company apparatus and be prepared to figh fire.

Democrats and populists are figur-ing on having a fusion tleket in the presidential campaign, but just now he leaders of the two parties cannot

 Bad infture someware.
 Now He Can Explain.
 wriggling tail. Inese likeros nave.

 Exchange.
 Sydney Bulletin.
 wriggling tail. Inese likeros nave.

 Woman—You say your father was injured in an explosion? How did it happen?
 Sydney Bulletin.
 wriggling tail. Inese likeros nave.

 City Sydney Bulletin.
 Sydney Bulletin.
 the power of regenerating a substi-licking?
 Dpponent is Made Pleasant.

 Child—Well, mother says it was too little sugar.
 City Youth—Go hon! I've often wondered how corned beef was made.
 I've often fuller description.
 on make method have to bay one for youre.

THE SCOUT. steam. 18 45. Bad Mixture Somewhere.

too little sugar.

cation and not steam, for they state that it is impossible for the water to

ture is believed to be due to confu

same joints again after he has

"Joint Snake" a Myth.

sion with a species of lizard which PORTLAND, July 25.—(To the Edi-tor.)—What is the minimum wage and maximum hours per week for female clerks in Oregon? READER.

escape while the surprised foe is oc cupled with the castoff and still-

agree: wriggling tail. These lizards have