

The Daily Astorian.

Vol. XVIII.

Astoria, Oregon, Saturday Morning, November 18, 1882

No. 42.

THE TIMBER LINE

"Timber line" is a term that expresses the termination of forest growth on mountain elevations. It is popularly supposed that the elevation above the sea level of the timber line is between ten thousand and eleven thousand feet, and that there is but little variation in its altitude. This idea, however, is erroneous. Dr. Rothrock recently asserted in the American Journal of Science that as a whole there is little or no increase in the altitude of timber line toward the equator in the western hemisphere, out of the forty-first degree of north latitude. The Popular Science Monthly notices that Mr. H. Gannett disputes this, and observes that the height of the timber line is purely a question of temperature, and that that is the function of the latitude, the elevation and the mass of country in the neighborhood. Therefore, in considering the height of the timber line, we must regard the mountain range in connection with the plateaus on which they stand, their latitudes, heights and masses—or what, in a measure, sums up these three, their temperatures—as it is by these that its height is determined? The actual elevation of the timber line in the Cordilleras of North America, ranges from seven to twelve thousand feet. It is lowest in the coast and Cascade ranges of Washington Territory, and rises as we go through Oregon and California. On the high Sierras of eastern-central California forests grow to ten thousand or twelve thousand feet, while the ranges of southern California do not reach the upper limits of forests. Few of the ranges of Nevada reach the timber line, which varies from the height of nine thousand feet in the northern to probably eleven thousand feet in the southern part of the state.

In Arizona probably none of the mountains reach the timber line except the San Francisco group and the Sierra Blanca, where the line is at eleven and twelve thousand feet. In New Mexico the line averages about twelve thousand feet above the sea level, and the higher annual temperature of the southern part of the territory is fully compensated for by the great altitude of the plateau in the north-part. In Colorado the line rises from eleven thousand feet in the northern to twelve thousand feet in the southern part of the state; in Wyoming, from ten thousand to eleven thousand feet in the northern to twelve thousand feet in the Wind river and Teton ranges, to about eleven thousand feet in the Park range; in Montana and Idaho it ranges from nine thousand to ten thousand feet, and in the Uintah and Wahsatch ranges in Utah it is at about eleven thousand feet.

Research.

Some one has said that this is a very small planet, and that it has been pretty well ransacked. But the discoveries of the last few years on the globe have been as important as any other time in the world's history. It does not change their real importance that many of these were discoveries like those in the heart of the African continent, or those which Schliemann has made at Mykenae. There are a hundred millions of people in Africa out of the two hundred millions, of which we know practically nothing. There are a hundred millions in India of which we know a little more. But for the scholar it is an unexplored field. Even in the Pacific ocean there are hundreds of islands of which there is no record that a white man has ever explored them. We have only sailed around the edges of the great Arctic ocean and caught a few whales near the shore. The scholar and explorer does not know to-day whether there is a vast Arctic continent yet to be found—a continent where animal life abounds, or only a few desolate islands in that unknown sea. It is possible that the childhood of the world will be traced through the language which is so nearly related

to our own. There is still another class of investigators who care little for what is of the past. They wish to know what is now in the world rather than what has been. The spirit is born in part of commercial adventure. But it has a scientific basis. It is searching for lost countries, navigable rivers and seas, and for populations who want to buy and sell and whose wants will stimulate the commerce of the world.—*Bulletin.*

The Work of a Trip-Hammer.

"I have been told," said Mr. Dubois, watching the great steam-hammer in the rolling mill, "that a good hammerman can break the crystal of a watch with that thirty-ton hammer." "Yes, sir," said the hammerman, "it can be done." "I should like to see it," said Mr. Dubois, eagerly feeling in his watch pocket. "I can do it, sir," replied the man. "And will you?" replied Mr. Dubois, drawing out his watch. "Come, I am anxious to see it tried." He laid his watch on the great anvil plate. The hammer rose up to its full height, and the next instance all its ponderous weight, with a crushing force that shook the ground for an acre round, came down on the watch. "There, sir," said the hammerman quietly, "if you don't believe that crystal is broken, just stoop down and you can see it sticking to the hammer." Mr. Dubois swallowed a whole procession of lumps and gasps before he could speak. "But I forgot to say," he exclaimed, "that it was to break the crystal without injuring the watch." "Oh, yes," said the hammerman; "yes, I know; I have heard that rubbish myself but it's all gammon. I don't believe it can be done. But you can break the crystal every time." —*Burlington Hawkeye.*

A special correspondent of the London Daily News, who has visited Netley hospital, describes his interview with a number of the sick and wounded soldiers who had returned from Egypt. "I had a capital chance," said a good-looking Life Guardsman, with whom I had a gossip in one of the corridors, "of cutting down one fellow, and I had raised my sabre to do it. It would have been something, you see, to be able to say afterwards, 'The first man I ever killed in battle was so-and-so; but I really hadn't the heart to do it. The poor fellow had never hurt me, and he hadn't a scrap of fight in him. So I whacked him soundly with the flat of the sword, and drove him like a sheep—a prisoner.' "Why," said a convalescent, "you had only to show them a bayonet, and they were off like a shot. You couldn't get your blood up to a proper pitch with a cowardly set of hounds like that. We might have killed them by hundreds at Tel-el-Kebir, but it would have been like slaughtering children. They were so quick in laying down their arms and giving themselves up that we had to kick the prisoners out of our road."

The electric light has found a novel employment in the hands of some ingenious Frenchmen, who have lately, by permission of their government, been experimenting with it as a lure for fish. The lamp was contained in an air-tight globe and was lowered at night into the sea, with the result that thousands of fish of all sizes were attracted to its brilliant light. Boats furnished with nets gradually closed in upon the living mass, and made a great haul of fish.

The Union Pacific company is steadily pushing out what might be called the forefinger of its great system toward the Pacific coast in Oregon. The track of the Oregon Short Line is already laid for a distance of 258 miles west from the main line at Granger, Wyoming, and no less than 1,135 miles from Omaha, leaving 327 miles to complete the long line of 1,462 miles from Omaha to Baker City. *W. W. Union.*

Something to Live for.

It has been asserted by scientific surgeons that the will-power of a sick man has a great deal to do with his dying, and the case of Charles O'Connor is cited as an evidence. A still stronger case occurred in Michigan the past summer. An old man, living in the northern part of the state, got out a lot of timber many years ago for a toll-road company, but the company failed and left him in the lurch. For years and years he tried to sell the timber to this one or that, but no one wanted it, and at last time and decay rendered the beams almost worthless. Last summer the supervisors of the county advertised for proposals to build a bridge, and the old man put in a bid. While waiting to see what would be done he was taken very sick, and he grew worse so rapidly that a council of doctors was called. After due deliberation he was informed that he was approaching his end.

"When will I know about that bridge?" he coolly asked. "The bids will be open to-day." "Well, I'll send John over to see who gets the job, and my living or dying will depend on his news."

At 5 o'clock in the afternoon the son and the family physician arrived in company. The old man was neither better nor worse. "Well?" he asked, as John approached.

"Our bid was accepted, father." "And we've got the job?" "Yes; but the doctor says you can't live."

"I can't, eh? I'm not only going to live to build that bridge, but I'm going to work that square timber into it up to the last foot, or my name isn't John Rogers." It is a fact, vouched for by a dozen good men, that he was off that dying bed in a week, and in less than a fortnight he was at work on the bridge.

Except a living man, there is nothing more wonderful than a book, a message to us from the dead—from human souls whom we never saw, some of whom lived thousands of years ago, and thousands of miles away; and yet these, and those gems called books, speak to us, amuse us, terrify us, open their hearts to us as brothers. I say we ought to reverence books, and look upon them as useful and mighty things.—*Chas. Kingsley.*

Arabi is willing to accept exile in any part of Great Britain. He has been reading Ceteaway's encounters with the roast beef of England, and he is anxious to make a martyr of himself and go to the steak.

The country is not at war, and the laws are enforced in every township in America, and yet the income of one pistol manufacturer in the east is \$2,000 per day.

"To such an extent did I suffer with inflammatory rheumatism that I could not feed or dress myself without assistance. Two-thirds of a bottle of St. Jacobs Oil entirely cured me, and I consider it worth its weight in gold," says C. E. Jones, New Alexandria, Ohio.

Advancing years, care, sickness, disappointment, and hereditary predisposition—all operate to turn the hair gray, and either of them inclines it to shed prematurely. AYRES HAIR VIGOR will restore faded or gray, light or red hair to a rich brown or deep black, as may be desired. It softens and cleanses the scalp, giving it a healthy action. It removes and cures dandruff and humors. By its use falling hair is checked, and a new growth will be produced in all cases where the follicles are not destroyed or the glands decayed. Its effects are beautifully shown on brash, weak, or sickly hair, on which a few applications will produce the gloss and freshness of youth. Harmless and sure in its operation, it is incomparable as a dressing, and is especially valued for the soft lustre and richness of tone it imparts. It contains neither oil nor dye, and will not soil or color white cambric; yet it lasts long on the hair, and keeps it fresh and vigorous.

FOR SALE BY ALL DEALERS.
Mothers should know it.
Fretful babies cannot help disturbing everybody, and mothers should know how soothing Parker's Ginger Tonic is. It stops babies' pains, makes them healthy, relieves their own anxiety and is safe to use.—*Journal.*
—Will you suffer with Dyspepsia and Liver Complaint? Shiloh's Vitalizer is guaranteed to cure you. Sold by W. E. Dement.

ST. JACOBS OIL
THE GREAT
GERMAN REMEDY
FOR
RHEUMATISM,
Neuralgia, Sciatica, Lumbago,
Backache, Soreness of the Chest,
Gout, Quinsy, Sore Throat, Swellings
and Sprains, Burns and Scalds, General Bodily
Pains,
Tooth, Ear and Headache, Frosted
Foot and Ears, and all other
Pains and Aches.

THE GREAT GERMAN REMEDY FOR RHEUMATISM,
Neuralgia, Sciatica, Lumbago,
Backache, Soreness of the Chest,
Gout, Quinsy, Sore Throat, Swellings
and Sprains, Burns and Scalds, General Bodily
Pains,
Tooth, Ear and Headache, Frosted
Foot and Ears, and all other
Pains and Aches.

NO PREPARATION ON EARTH EQUALS ST. JACOBS OIL
as a safe, sure, pleasant and cheap External
Remedy. A trial entails but the comparatively
small outlay of 50 Cents, and every one suffering
with pain can have clear and positive proof
of its claims.
Directions in Every Language.
SOLD BY ALL DRUGGISTS AND DEALERS
IN MEDICINE.
A. VOGELER & CO.,
Baltimore, Md., U.S.A.

The difference between a dandy and a fat hog—one is dressed to kill and the other is killed to dress.

It rains alike on the just and the unjust—and on the just mainly because the unjust have borrowed their umbrella.

One hundred thousand dollars has been pledged by the citizens of Bozeman, Mont., to the Northern Pacific Railroad company if it will locate its machine shops there.

Chas. J. Loftland, formerly local writer on the Columbia Chronicle, last week sold to S. J. Saxton a check for \$400 on the 1st National bank of Dayton, which proves to be a forgery. Loftland skipped the town.

MOTHERS, READ.

GENES—About nine years ago I had a child two years old and almost dead. The doctor had attended her, and when I asked her what she thought it was, she said, "How could I know? I had never seen it before." I had a bottle of Dr. C. McLANE'S CELEBRATED VERMIFUGE. I gave her a teaspoonful in the morning and another at night, after which she passed seventy-two worms and was well child. Since then I have never been without it in my family. The health of my children remained so good that I had neglected watching their actions until about three weeks ago, when two of them presented the same sickly appearance that I had seen nine years ago. So I thought it must be worms, and I went to work at once with a bottle of Dr. C. McLANE'S VERMIFUGE between four of my children, their ages being: Alice, 8 years; Mattie, 4 years; Emma, 6 years; John, 9 years. Now comes the result: Alice and Emma came out eight and thirty worms respectively, five and Johnny about sixty worms. The result was so gratifying that I spent two days in showing the wonderful effect of your Vermifuge around Utah, and now have the worms on exhibition in my store. Yours truly, JOHN PIPPER.

The genuine DR. C. McLANE'S VERMIFUGE is manufactured only by Fleming Bros., Pittsburgh, Pa., and bears the signatures of C. McLane and Fleming Bros. It is never made in St. Louis or Wheeling. Be sure you get the genuine. Price, 25 cents a bottle.

"To such an extent did I suffer with inflammatory rheumatism that I could not feed or dress myself without assistance. Two-thirds of a bottle of St. Jacobs Oil entirely cured me, and I consider it worth its weight in gold," says C. E. Jones, New Alexandria, Ohio.

Advancing years, care, sickness, disappointment, and hereditary predisposition—all operate to turn the hair gray, and either of them inclines it to shed prematurely. AYRES HAIR VIGOR will restore faded or gray, light or red hair to a rich brown or deep black, as may be desired. It softens and cleanses the scalp, giving it a healthy action. It removes and cures dandruff and humors. By its use falling hair is checked, and a new growth will be produced in all cases where the follicles are not destroyed or the glands decayed. Its effects are beautifully shown on brash, weak, or sickly hair, on which a few applications will produce the gloss and freshness of youth. Harmless and sure in its operation, it is incomparable as a dressing, and is especially valued for the soft lustre and richness of tone it imparts. It contains neither oil nor dye, and will not soil or color white cambric; yet it lasts long on the hair, and keeps it fresh and vigorous.

FOR SALE BY ALL DEALERS.
Mothers should know it.
Fretful babies cannot help disturbing everybody, and mothers should know how soothing Parker's Ginger Tonic is. It stops babies' pains, makes them healthy, relieves their own anxiety and is safe to use.—*Journal.*
—Will you suffer with Dyspepsia and Liver Complaint? Shiloh's Vitalizer is guaranteed to cure you. Sold by W. E. Dement.

ROSCOE'S FIRST CLASS Oyster Saloon.
CHENAMUS STREET, ASTORIA.
THE UNDERSIGNED IS PLEASED TO announce to the public that he has opened a
FIRST CLASS Eating House,
And furnishes in first-class style
OYSTERS, HOT COFFEE, TEA, ETC.
AT THE
Ladies' and Gent's Oyster Saloon,
CHENAMUS STREET.
Please give me a call.
ROSCOE DIXON, Proprietor.

A. M. JOHNSON & Co.,
Ship Chandlers and Grocers.
Ropes and Cordage of all kinds,
Blocks, Patent and Metalline of all sizes.
The Genuine Leroux's Scotch Salmon net Twines,
Mermaid Twines, Canvas, all No's; Copper Tipped Oars.
The best assortment of
GROCERIES
In Town.
The Best COFFEES and TEAS.
Try our Melrose Baking Powder
Positively the best ever made.
CANNED GOODS
of all kinds put up by best Packers,
Richardson's and Robbin's Canned Goods.
Terms Cash. Profits Small.
GIVE US A CALL.

WILLIAM EDGAR,
Corner Main and Chenamus Streets,
ASTORIA. DEALER IN
CIGARS AND TOBACCO.
The Celebrated
JOSEPH RODGERS & SONS
GENUINE ENGLISH CUTLERY
AND THE GENUINE WOSTENHOLM
and other English Cutlery.
STATIONERY!
FAIRCHILD'S GOLD PENS
Genuine Meershaum Pipes, etc.
A fine stock of
Watches and Jewelry, Muzzle and
Breach Loading Shot Guns and
Rifles, Revolvers, Pistols,
and Ammunition
MARINE GLASSES
ALSO A FINE
Assortment of fine SPECTACLES and EYE
GLASSES.

B. B. FRANKLIN,
UNDERTAKER,
Corner Cass and Squemoque streets,
ASTORIA, OREGON.
DEALER IN
WALL PAPER
AND
WINDOW SHADES
AND
UNDERTAKERS GOODS.
MAGNUS C. CROSBY,
Dealer in
HARDWARE, IRON, STEEL,
Iron Pipe and Fittings,
PLUMBERS AND STEAM FITTERS
Goods and Tools,
SHEET LEAD STRIP LEAD
SHEET IRON TIN AND COPPER,
Cannery and Fishermens Supplies
Stoves, Tin Ware and House
Furnishing Goods.
JOBING IN SHEET IRON, TIN, COP
PER PLUMBING and STEAM FITTING
Done with neatness and dispatch.
None but first class workmen employed.
A large assortment of
SCALES
Constantly on hand.
Delinquent City Taxes.
NOTICE IS HEREBY GIVEN THAT I, the undersigned, Chief of Police, have been furnished with a warrant from the city council requiring me to collect the taxes assessed for the year 1882, and now delinquent upon the list, and make return of the same within sixty days. All parties so indebted will therefore please take notice and govern themselves accordingly.
C. W. LAUGHERY,
Chief of Police,
Astoria, Oregon, September 19, 1882.

FINLAYSON BUSHFIELD & CO.
JUNIOR, BOULDER,
J. R. LEESON & CO.
BOSTON, MASS.
THE FLAX MILLS,
GRAFTON,
Vermont.
MANUFACTURERS OF THE UNPAID SCOTCH
TWINNES.
SALMON NET
DARTIC COAST DEPOT,
NEVILLE & CO.
31 & 33 CALIFORNIA ST.,
SAN FRANCISCO.

WILLIAM HOWE,
—DEALER IN—
Doors, Windows, Blinds, Transoms, Lumber.
All kinds of
OAK LUMBER,
GLASS,
Boat Material, Etc.
TURNING
AND
Bracket Work
A SPECIALTY.
Boats of all Kinds Made to Order.
Orders from a distance promptly attended to, and satisfaction guaranteed in all cases.

MISCELLANEOUS.
ASTORIA IRON WORKS.
BENTON STREET, NEAR PARKER HOUSE,
ASTORIA, OREGON.
GENERAL MACHINISTS AND BOILER MAKERS.
LAND & MARINE ENGINES
Boiler Work, Steamboat Work
and Cannery Work a specialty.
CASTINGS.
All Descriptions made to Order
at Short Notice.
A. D. WASS, President,
J. G. HUSTLER, Secretary,
J. W. CASE, Treasurer,
JOHN FOX, Superintendent.

S. ARNDT & FERCHEN,
ASTORIA, OREGON.
The Pioneer Machine Shop
BLACKSMITH
SHOP
AND
Boiler Shop
All kinds of
ENGINE, CANNERY,
—AND—
STEAMBOAT WORK
Promptly attended to.
A specialty made of repairing
CANNERY DIES,
FOOT OF LAFAYETTE STREET.
R. F. STEVENS, C. S. BROWN
CITY BOOK STORE.
Where you will find all the standard works of the day, and a constantly changing stock of novelties and fancy articles; we keep the best assortment of variety goods in the city.

J. E. LAFORCE,
DENTIST
Dental Rooms over Case's Store,
Chenamus Street, - - Astoria, Oregon.
J. Q. A. BOWLEY,
ATTORNEY AT LAW.
Chenamus Street. - ASTORIA, OREGON.
G. A. STINSON & CO.,
BLACKSMITHING,
At Capt. Rogers old stand, corner of Cass and Court Streets.
Ship and Cannery work, Horseshoeing, Wagons made and repaired, Good work guaranteed.
TAILORING.
CLEANING & REPAIRING.
NEAT, CHEAP AND QUICK, BY
GEORGE LOVETT,
Main Street, opposite N. Loeb's,
MAX. WAGNER'S
BOWLING ALLEY.
MAX. WAGNER'S
Agency for the National Beer.
Beer delivered in any part of the city.
Lost.
OCTOBER 25TH, ABOUT ONE MILE above Tongue Point, a small green shiff, with one pair iron rowlocks and one pair oars in her. Oars branded on blade J. E. D. G. A reward of \$5.00 will be paid to the party returning her to this office.

WILSON & FISHER,
SHIP CHANDLERS.
DEALERS IN
Iron, Steel, Coal, Anchors, Chains,
TAR, PITCH, OAKUM,
WROUGHT AND CUT GALVANIZED
SPIKES,
Nails, Copper Nails and Burrs,
Shelf Hardware, Paints and Oils
Rubber and Hemp Packing of all Kinds.
PROVISIONS.
FLOUR AND MILL FEED.
Agents for Salem Flouring Mills.
Corner Chenamus and Hamilton Streets
ASTORIA, OREGON.

AGENTS FOR SALEM FLOURING MILLS.
Corner Chenamus and Hamilton Streets
ASTORIA, OREGON.

AGENTS FOR SALEM FLOURING MILLS.
Corner Chenamus and Hamilton Streets
ASTORIA, OREGON.