Absolutely Pure.

purity, strength and wholesomeness. More concoming than the ordinary kinds, and cannot be sold in competition with the mat-titude of low test short weight, alum or phosphare powders. Soldanly in cans. Roy-AL BAKING POWDER Co., 196 Wall-st. N. Y.

WILSON & FISHER,

SHIP CHANDLERS.

DEALERS IN

TAR, PITCH, CAKUM,

NAILS AND SPIKES,

STEAM PACKING.

PROVISIONS.

FLOUR AND MILL FEED.

and Capital Flour.

FAIRBANKS STANDARD

SCALES.

All sizes, at Portland Prices, in Stock.

orner Chenamus and Hamilton Streets

ASTORIA, OREGON.

LOEB & CO.

JOBBEES IN

LIQUORS.

AGENTS FOR THE

Eastern Distilleries.

Tumblers Decanters, and All

Kinds of Saloon Supplies.

Fig-All goods sold at San Francisco Price

King

MAIN STREET.

Parker House, Astoria, Orego

of the Blood

D, RANSOM, SON & Co., Props Buffalo, N. Y.

WM. EDGAR,

Dealer in

Meerschaum and Brier Pipes,

ESTABLISHED 1833.

ASTORIA. OREGON,

TANNERS AND CURRRIES

Manufacturers and Importers of

LEATHER

Wholesale Dealers in

OIL AND TALLOW.

Tallow.

L. I. Johson,

CIGAR AND TOBACCO STORE

AND FINDINGS

C. LEINENBEBER.

A LL KINDS OF

VOL. XX, NO. 38.

ASTORIA, OREGON. WEDNESDAY, NOVEMBER 14, 1883.

PRICE, FIVE CENTS.

#### HOW FORESTS CHANGE.

"the depths of the primeyal forest" that a fair opportunity is afforded of studying the mixed growth of our tree that gave them birth. Lumber woodlands, and of observing the world. generation of forest trees succeeds another. Such opportunities are comparatively rare in the Eastern States at present. Much of the most valuable standing timber in New England to-day is to be found upon land that has one or more times been cleared or cut off. It is there-fore generally of few varieties and nearly uniform age. But if we pen-etrate a virgin forest beyond the devastations of the woodman's ax devastations of the woodman's ax and the fire which follows his track, planking the extension to the Hwaco we shall find it made up of trees in wharf has been let to Pangles and every stage of growth and of every Kenpon. variety indigenous to that section of the country. We will find hemlocks and spruce centuries old, their lots at the new railroad city, Drumbranches veiled with pendants of gray moss, towering high above the hazel and moosewood. Rarely is there the monotony of a single growth. Evergreen trees mingle with deciduous. Sunshine and shadow alternate. Now we are in a comparatively clear spot, where the Icaves overhead are only thick enough to fleck the ground beneath with shadow; a moment later and hardly a ray of light can penetrate the cartain overhead. Alike on the dry, stony ridges and on the soft, moist earth of the valleys the growth is mixed.

Capt. George Whitcomb recently ran the South Bend from the head of the bay to South Bend, a distance of forty miles, in three hours, and challenges any steamer on the bay to beat it.

A remonstrance has been drawn the valleys the growth is mixed. other varieties are intermingled with a seeming irregularity that leads us to wonder how all these varieties, with so widely diverse requirements as to soil and other conditions, can flourish in so close proximity. Yet all is easily explained if we but understand the unfailing care with

which nature provides for the wants of all her children.

All through such forests we will find at intervals the prostrate wrecks of what were once monarchs of the forest Sometimes they have abdi-cated their sway by reason of their own weight and the decay of old age, sometimes their lofty heads have a thin layer—two or three feet of rich vegetable mould overlays a course, loose gravel. The roots of tall hemlock or pine is overthrown literally torn up by the roots, bring-ing with them several square rods of ing with them several square cods of dark, rich earth with which they were covered. The gravelly subsoil is thus left exposed, and there the seeds of birch, willow and maple, carried by the wind, bird, or squirrel, will flourish. The dirt carried by the roots will sink down as the tree her, you will always see the face you decrease into a knoll that will mark have level and won. And a woman

of the forest at that point. All this, too, would be accomplished by the orderly working of natural laws. Again, on sandy plains, where the fire that destroyed the forest growth at the same time consumed the vege-table mould that gave the soil its fertility, it is curious to note nature's method of recuperating from the injury. The first step toward re-establishing a forest is made by the pitch-pine or similar trees which require but little moisture. These send down their long roots, ten, twenty or thirty feet, through the loose, barren gravel, to find and bring to the surface the potash and other soluble salts that are required. These elements are taken up by the tree for its own nu-trition, and then returned to the surface soil by the falling leaves. Thus the earth is gradually enriched and in the course of time becomes capa ble of supporting beech, poplar and oak again, and thus nature herself repairs the damage that the ignorance or carelessness of man inflicts

On the other hand equal provision is made for those trees which do not love the black loamy soil, but prosper upon a poor and sandy home. Just as the surface of the plains are grad-ually enriched by the elements brought up from a depth; so is silicions sand from some distance below deposited upon the surface of bogs and swamps, and enables trees to thrive there which could not otherwise find a home. Everyone who has noticed with care the cultivated lands of New England, has observed that where hemlock trees have fallen and decayed, the soil is exceptionally poor-so much so that often, after several plowings the ontline of the tree can be traced by the poorer growth of the grass or grain, and the sorrel and coreopsis, which abhor a fertile soil, thrive there If the de-caying wood be pulverised it will be found gritty, and grains of sand can be detected with the naked eye. There are crystals of silex taken up in solution into the circulation of the tree, and on its death reverting to their crystaline form. They are evident to workers of wood because they dull the edge of their tools. Now just this silicious matter is what is wanted by varicannot live upon a wet, pentty soil.

Therefore, if a hemlock, spruce, or pine be uprooted from such a soil, its very trunk decaying will supply a foothold for hazel, willow and white birch. As these completes the pentry of th ous decidnous trees, some of which and white birch. As these grow in

the fallen tree will waste entirely It is only in what novel-writers call the depths of the primeyal forest hat a fair opportunity is afforded of the that they could never have taken root there but for the death of the

## NEWS OF THE NORTHWEST.

Judge Stott, of Portland, will reign his office January 1st. B. A. Seaborg put up 6000 cases of almon at his Gray's harbor cannery

this senson. Captain Mitchell will soon engage shipbuilding at some point on

Shoalwater bay.

mond, M. T. When a freshet comes on the Na-sel, many thousand logs that have been cut during the season will be run down the river, finding their way to market.

the valleys the growth is mixed up and numerously signed in Pacific Hemlock, sprace, pine, birch, wilcounty, against moving the United low, maple, poplar, oak and many States court from Kalama to Vancounty, against moving the United States court from Kalama to Van-couver, and will be forwarded to the

capital. In attempting to raise the wrecked steamer Mississippi at Seattle, it was discovered that she could never be made seaworthy again, so she will be raised in pieces and the iron used

for other purposes. The new bar tag Hunter arrived at South Bend on the 5th, after an Shelf Hardware, Paints and Oils eleven days' passage from San Fran-cisco, including stoppages at several way ports and two stoppages at sea to make slight repairs to machinery.

Old residents on Rogne river inform the Tidings that the railroad been laid low before the power of the nihilist wind. The latter catas-trophe occurrs most frequently where mark, and that the freshets will be sure to greatly damage the road bed. E. Lorrance, who has been in the

the trees which spring upon the rich soil above are repelled by the cold moisture of the gravel beneath and spread out for some distance. The roots of employ of the Northern Pacific survey for the last two months in Washington Territory, gathering geological spread out for some distance. moisture of the gravel beneath and spread out for some distance around without striking deeply in. Then comes a tremendous storm and the tall bemlock or nine is overthrown geological examination this winter.

# The Witchery of Love.

decays, into a knoll that will mark the death of the monarch for ages, and on it will spring up cherry, poplar and summeh. Thus side by side, will be a marked variation in types. Not only this, but where the tree fell it where the tree fell it was a marked variation in types. it swept down smaller trees and un- hand. I like to think that love is derbrush along with it, admitting eternal, and to love in that way, and warmth and light to soil which the then go down the hill of life together, warmth and light to soil which the sumbeams had not, perhaps, touched for centuries. In this manner the climate of that particular spot would be as much altered as the soil, and in the leafless branches of the tree of the final result might be an almost age. - Bob Ingersoll, complete alteration of the character

# The Boy Orator.

Chief Watkins related in answer to nquries concerning his trip to Texas n pursuit of the "Boy Orator", that the boy had been creating quite a sensation in that state. At one little own he had delivered a series of lectures—on Oregon—netting for the church in whose behalf be had labored, the snug little sum of one thousand dollars. When the chief told his mission, the people seemed incredulous and could hardly believe that their brilliant orator was a furgitive from justice. It seems to us equally incredulous that one so favored by nature should prove so unworthy the confidence his genius won for him. Hesperian.

# A Home-Made Fountain Pen.

Take two ordinary steel pens of the ame pattern and insert them in the ommon holder. The inner pen will be the writing pen. Between this and the outer pen will be held a supply of ink, when they are once dipped into the inkstand, that will last to write several pages of manu-script. It is not necessary that the points of the two pens should be very near together, but if the flow of ink is not rapid enough the points may be brought nearer by a bit of thread or a minute rubber band.

# SOWING AND REAPING.

A wonderful thing is seed; The one thing deathless forever— Forever old and forever new, Utterly faithful and utterly new— Fickle and faithless never.

Plant lilies and lilies will bloom: Plant roses and roses will grow;
Plant roses and roses will grow;
Plant hate and hate to life will spring,
Plant love and love to you will bring
The fruit of the seed you sow.

# Notice to the Ludies.

Switches made from combings or cut hair; new switches made to order from the best imported hair, in any shade desired. Old switches repaired. All work warranted. Raies reasonable. Call or address

UHLENBART & SCHOENHE, Occident hair dressing saloon, Astoria

-A Nasai Injector free with each bottle of Shiloh's Catarrh Remedy Price 50 cents. Sold by W. E. Dement strength they will send down roots inside the bark of the fast decaying

# Allen.

Wholesale and Retail Dealer in

# Groceries,

# Provisions. MILL FEED.

Glass and Plated Ware. TROPICAL AND DOMESTIC FRUITS AND VEGETABLES

# Together with Wines, Liquors, Tobacco. Cigars C. E. n. Achthan.

# PIANOS

-AND-

# RGANS

SMALL MUSICAL INSTRUMENTS SPREADS AND STOOLS

## Sheet Music. Piano, and Organ Instructors.

-CELEBRATED-STECK & KNABE PIANOS

-USED BY-"President of United States"

"Governor of Oregon,"

And other prominent persons. Planos and Organs of many leading makes, wholesale and retail, CELEBRATED TABER ORGANS.

Agents for Salem Flouring Mills, Largest House on This Coast. Instruments of All Kinds Tuned and Repaired.

# GARDNER Bros., 165 First St., Portland, Oregon.

S. ARNDT & FERCHEN. ASTORIA. - OREGON

The Pioneer Machine Shop BLACKSMITH

SHOP

Boiler Shop Best San Francisco Houses and All kinds of

> ENGINE. CANNERY -AND

STEAMBOAT WORK Promptly attended to. A specialty made of repairing

CANNERY DIES. FOOT OF LAFAVETTE STIMET. I. W. CASE.

IMPORTER AND WHOLESALS AND RE-TAIL DEALER IN

Is not a "cure oil," it is a blood-purifier and tonic. Impurity of the blood poisons the sys-tem, deranges the circulation, and thus in-duces many disorders, known by different names to distinguish them according to ef-GENERAL MERCHANDISH

names to distinguish them according to effects, but being really branches or phases of that great generic disorder, Impurity of Blood. Such are Dyspessia, Billionance, Lever Complaint, Constipution, Nercous Disorders, Hendache, Buckache, General Weakness, Heart Disease, Dropsy, Kidney Disease, Piles, Ribermatism, Catarrh, Scrobnin, Shin Disorders, Planples, Uleers, Swellings, &c., &c. King of the Blood prevents and cures these by attacking the cause, Impurity of the blood. Chemists and physicians agree in calling it "the most genuine and efficient preparation for the purpose." Sold by Druggists, \$1 per bottle. See testimonials, directions, &c., in pamphlet, "Treatise on Diseases of time Bood." wrapped around each bottle. Corner Chenamus and Cass streets. ASTORIA

Astoria Oil Works. J. H. DEFORCE, Proprietor, P. O. Box 254, Astoria, Orogon Manufacturer and Denier to

FISH OIL and SKID GREASE. Loggers will find my Skid Grease to b

## PERUVIAN Cigars, Tobacco and Cigarettes BITTERS !





Wilmerding & Co., San Francisco Loeb & Co., Agents, Astoria

FOR SALE.

strength they will send down roots inside the bark of the fast decaying evergreen, which, piercing the damp mould will lay firm hold upon the sandy sub-soil. Finally, the trunk of the Blood. See Advertisement.

A Nasal Injector free with each bottle of Shiloh's Catarrh Remedy Price 50 cents. Sold by W. E. Dement will keep the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, the will keep the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, the will keep the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, the will keep the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, the will keep the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be pleased to see his old freedom, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be present the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be present the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meerschaum pages. He will be present the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meets the stock of the cholcest Cigars, and Tobaccos, and a full line of smokers' articles, including the finest meets the stock of the cholcest Cigars, and Tobaccos, and a full line of s

# BUSINESS CARDS.

H. THOMSON.

Attorney and Counselor at Law. im No. 6, over White House,

ASTORIA, OREGON. J. NAT. HUDSON.

Attorney at Law, and Notary Public. Odd Fellows Building, Astoria, Oregon.

C. W. PULIFORN. 6. C. SHILTON FULTON EROTHERS. ATTORNEYS AT LAW.

Rooms 5 and 6, Odd Fellows Building. I Q.A. BOWLEY.

ATTORNEY AT LAW, Chemiums trect, - - ASTORIA, OREGON

Attorney at Law.

Rosen 4, White House,

C. J. CERTIN. ATTY AT LAW.

Notary Public, Commissioner of Deeds for diforms, New York and Washington Ter-Rooms 3 and 4, Odd Fellows Building, As-

# A. V. ALLEN,

Astoria Agent Hamburg-Magdeburg and German-American

FIRE INSURANCE COMPANIES. E. c. molden. NOTARY PUBLIC,

AUCTIONEER, COMMISSION AND IN SURANCE AGENT. GELO P. PARMER.

SURVEYOR OF Clatsop County, and City of Astoria

Office : Chenamus street, Y. M. C. A. hull Room No. 8. DR. N. C. BOATMAN,

Physician and Surgeon. Boons 2 and to, Odd Fellows Building

ASTORIA, OREGON. JAN TETTLE, M. B. PHYSICIAN AND SURGEON

OFFICE-Rosses 1, 2, and 5, Pythian Build RESIDENCE-Over J. E. Thomas' Drug

DENTIST, ANTOHIA,

- - OREGON People in Allea's building up stairs, come of Cass and Seemeoghe stret

DR. J. E. LAPORCE, DESTIST. Room 11, Odd Fellows Building, Astoria, Or.

Gas administered for paintess extraction of twells. MUSIC. PROP. T. P. METER. Graduate of Heidelberg University,

Piano Teacher. GENERAL STEAMSHIP ACENCY. Bills of Exchange on any

Part of Europe.

AM AGENT FOR THE FOLLOWING STATE LINE, RED STAR,

WHITE STAR. DOMINION LINE, NATIONAL, and AMERICAN LINE.

Prepaid tickets to or from any European For full information as to rates of fare, adding days, cir, apply to

I. W. CA SE. WHEELER & ROBB.

GENERAL.

Real Estate & Insurance Agents We have very desirable property in As-toria and Upper Astoria for sale. Also, fin-farms throughout the county. Accounts carefully adjusted and collec-

We represent the Reyal, Norwich Union and Lanca-shire Insurance Co's., With a combined capital of \$36,000,600

THE Travelers Life and Accident Insur-nee Co. of Hatford, and the Man-hatfan Lefe Insurance Co., of New York,

We are agents for the Daily and Weekly Northwest News, and the Oregon Vidette. All business entrusted to our care will re-esive groupt attention.

# C. H. BAIN & CO. DEALERS IN

Doors, Windows, Blinds, Transoms Turning, Bracket Work.



### Shop Work A specialty, and all work guaranteed. Oak, Ash, Bay, and Walnut lumber : Ore

on and Port Orford Cedar. All kinds of boat material on band C. H. BAIN & CO.

# Lead but Never Follow!

# CARL ADLER'S Grystal Palace!

Rooms 2 and 4, Odd Fellows Building, Astoria, Oregon.

N. B. - Chains at Washington, D. C., and papers and Periodicals will be sold at the following prices:

# 5 Cents Each.

Fireside Companion, N. Y. Weekly Ledger, Saturday Night, Arm Chair, Family Story Paper, Boys of New York, Weeks Doings, Texas Siftings, S. F. Chronicle, Call, Oregonian, News and Astorian,

# 8 Cts., 3 for 25 Cts., 13 for \$1.00.

Police Gazette, Police News, Illustrated Times, Puck, Wasp, and Judge, Harper's Bazaar and Weekly, Leslie's Weekly and Chimney Corner, Argonant, and many others.

I have printed tickets for those papers to make exact change. Back numbers always on hand.

25 Cents. Leslie's Popular Monthly, Young Ladies Journal, etc.

30 Cents. Harper's Monthly, etc.

Having made arrangements with all publishers I am enabled to give the public a benefit of the above named reductions. I have also REDUCED the price for Subscriptions, which will be as follows: Bazanr, Monthly ..... 3.75 " 4.00 3.50 " 4.00 All three for ...... 10.00 " 12.00

Leslie's Weekly, per year..... 4.00 3.00 Fireside Companion ..... 2.75 New York Ledger..... 3.00 Saturday Night..... 2.75 3.00 Family Story Paper ..... 3.00 Arm Chair..... 3.00 -66 S. F. Argonant ..... 

And all others too numerous to mention at the same rates. Now is your time to subscribe for the coming year. Remember Carl Adler's Subscription News Depot.

# STILL HOLDS THE

Look at This!

All the following fine cloth bound Bocks gilt edge, Red Line edition, formerly \$1.50 at 75 cents. P40 EMS.—Bulwer Lyttan, Campbell, Spencer, Hemans, Tennyson, Hood, Moore, Jean Ingelow, Crabb, Pope, Shakespeare, Goldsmith, Chancer, Coleridge, Lucile, Drycen, Macaulay, Scott, Schiller, Milton, Kents, Kirk, White, Goss, Thompson, Herbert, Aylon, Woodworth, Longfellow, Holmes, Bayard Taylor, Shelby, Rodgers, Barns, Cooper, and many, many more.

Fine line of Novels and, Gift Books, rich'y bound, formerly \$1.50 now only 75 cents. Tom Brown's School Days, Tour of the World, The Fur Country, Five Weeks in a Balloon, Anderson's Fairy Tales, Arabum Nights, Young Crusor, Tales from Shakespeare, Don Quixote, Genry, Household Stories, Dick Rodney, Accops Fables, Last Days of Pompell, Robinson Cursoe, Rob Roy, The Midshipman, Daring Deeds, French Fancy Tales, The Privateersman, Young Forester, Peter the Whaler, and hundreds more.

# LOW PRICES.

Every article of my new, fine selected stock will be sold at prices that will DEFY ALL COMPETITION. Dooks, Stationery, and Notions in endless variety. A fine display of Gold and Silver Watches, Clocks and Jewelry, Rodger Bros. Silverware, as Knives, Forks and Spoons, Castors, Cups, Ten Sets, etc., etc., will be sold cheaper than anywhere else. PIANOS AND ORGANS of the best makers very Low for Cash, or on Easy Installments.

MUSICAL INSTRUMENTS of every description. Sheet Music and Music Instructors of the latest publications. 100 new Music Books just received from the East. TIOYS! The fluest assortment of Toys, Wagons, Velocipedes, Baby Carriages, etc., etc., etc., en only be found at Adler's well known Crystal Palace.

Enabled by many years of experience I succeeded in selecting a stock of goods which will suit young and old. I mean to do a square, honest business, giving full value for every dime received, Polite cierks will be found in attendance and no trouble to show goods.

REMEMBER I WILL NOT BE UNDERSOLD.

# Crystal Palace.

Carl Adler, Proprietor.

## ASTORIA IRON WORKS. BENTON STREET, NEAR PARKER HOUSE, ASTORIA, - OREGON.

GENERAL MACHINISTS AND BOILER MAKERS.

LAND and MARINE ENGINES Boiler Work, Steamboat Work and Cannery Work a spe-

cialty. CASTINGS. Of all Descriptions made to Order

at Short Notice. A. D. Wass, President.
J. G. Hustler, Secretary,
L. W. Casz, Trensurer,
JOHN FOX, Superintendent,

COMMISSION MERCHANTS. Dealers In

LUMBER,

HAY. GRAIN. POTATOES.

COUNTRY PRODUCE. Advances made on Consignments.

AND