The Daily Astorian.

ASTORIA, OREGON:

SUNDAY.....JANUARY 11, 1885

THE PANAMA CANAL AND ITS CLIMATIC RESULTS.

CONSIDERABLE has been written on the possible results of the Panama canal upon the ocean currents, and its likely effect upon the climate of the Pacific coast.

Dr. M. O. Baldwin, in the *Review of Science* for December, has an article on this topic, in which he says that the attention of the whole civilized world is, and deservedly so, directed at the present time to this great work and the benefits to commerce and civilization which will result therefrom.

"It is not the purpose," the writer adds, "to treat of these, but to direct attention to the possible physical changes upon the earth's surface which may be brought along by the completion of this canal."

"The surface of the ocean on the Pacific side of the isthmus is about fifteen feet higher than it is on the Atlantic. This elevation of the waters of the Pacific above those of the Atlantic is maintained, it is probable, by the peculiar direction of the Pacific ocean currents, which, while they carry forward to this point very great bodies of water, impede, and to a great extent obstruct, their return. The consequence of this must be that upon the completion of the canal, which is to be, it is understood, a tide water canal, there will be created a current from the west eastward, through the isthmus.

"The length of the canal will be about thirty-three miles, consequently there will result a fall approaching closely six inches per mile. The pressure of so great a body of water as is found in the Pacific will give to this current in the canal a much greater rapidity than will exist in the current of a stream wherein we have the same degree of inclination. The result of this will be that the shores and bottom of the canal will be rapidly cut away.

"Now let us consider briefly the currents of the ocean. There exists in the Pacific Ocean the great Japanese current, which sweeps from the coast of Japan northward, and is divided upon the Aleutian Islands, on the coast of Alaska, a portion passing through Behring Straits and a portion finding its way down the western coast of the continent as far south as Central America, where it is deflected westwardly to join and again return with the currents from the South Pacific which are diverted from Australia and the Philippine Islands and form a current which passes directly eastward to the Isthmus of Panama. This current in its passage eastward is joined by yet other currents from the great South Pacific currents which sweep up the west coast of South America, and together these form the great equatorial counter current, and the entire force of this mighty stream is broken and expended upon the western shores of the Isthmus.

"It is an evident condition that these ocean currents are directed in their course by the coast barriers with which they are brought in contact. If then these barriers are by any means removed or changed, there will result a corresponding change in the direction of the currents.

"We have then this condition: with the waters of the Pacific already at a considerable elevation above those of the Atlantic, a current from the west eastward seems inevitable, and with the added force which will be thrown in by the currents from the Pacific, the canal must be rapidly worn away until it is probable a considerable portion of the isthmus will have been destroyed, and the great Pacific current, the force of which is now expended upon the western shores of the isthmus, will find its way through into the Gulf and be joined to the Gulf stream.

Should this be the result, we can only expect that the great thermal currents from the Pacific, which have heretofore so greatly modified the climate of our Pacific coast, will undergo a change in their directions, and the great body of heated waters, finding its way through the isthmus, will pass northward with the Gulf stream along our Atlantic coast until it is directed upon the coast of Newfoundland, and, crossing the Atlantic, it passes the shores of Great Britain and Iceland, expending itself, and upon the frigid shores of northwestern Europe will carry with it an elevation of temperature which will modify to a great extent the climate of those regions.

"It is a well known fact that an extended portion of the Arctic world has been at some time habitable and inhabited. This is shown by the finding so frequently the remains of tropical plants and animals in the far north. It is equally known that great convulsions of nature have taken place whereby continents and oceans and ocean currents have been changed, and these conditions have brought about these great changes in climates. It cannot then be considered an unreasonable hypothesis, that the results which have followed natural causes shall also succeed artificial means when the elements necessary are at hand.

"Permit a digression, to direct attention to the fact, as has been indicated above, that the current of this canal will be such that in the course of time it will result in the destruction of a considerable portion of the isthmus. In that case the canal company will find a difficulty in making the investment a source of profit, as the canal will soon have overreached their boundaries, and will become a public highway, a great waterway for the shipping of the world."

NEW TO-DAY.

Notice.

CAPTAIN WILLIAM ROSS, OF THE British bark *Abbey Cowper*, will proceed to Shoalwater bay on Monday, the 12th inst., and there make arrangements to sell to the highest bidder the wreck and wreckage of the British Bark *Abbey Cowper*, also of two life-boats and a ship's gig, now lying at North Cove, Toke Point. W. T.

Astoria Bakery

AND

Columbia Candy Factory.

Ed. Jackson, Proprietor.

BUY DIRECT OF THE MANUFACTURER and Save Money.

French Mixed Creams, 30 cts per lb
Plain Candies and Taffys 20 " "

Bread, Pies and Cakes delivered every day. Ornamental work for Weddings and Parties. Best Ice Cream at reasonable prices

Cheapest and best place in town. Don't forget the place;

Chenamus St. near the Postoffice.

Wheeler & Kipp,

PRACTICAL

Plumbers Gas and Steam Fitters

All work warranted and estimates given Full stock Iron and Lead Pipe, Bath Tubs, Water Closets and Gas Fixtures. Chimney Pipe, cheaper than Brick.

Jobbing promptly attended to.

Corner Squemoqua and Hamilton Streets, Astoria, Oregon.

Notice.

THE PARTY WHO BOUGHT THE BAGgage belonging to Thomas Boland, at the auction sale at the Parker House, will please call at the Bay City Exchange.

C. EVENSON.

Lost or Stolen.

ON JANUARY 8TH, 1885, A CENTERboard Whitehall boat, painted white with green gunwale; four new knees in the center thwart; four oars, sails masts, and rudder. A reasonable reward will be paid for her return to the undersigned.

JAS. TURK.

Stockholders' Meeting.

THE ANNUAL MEETING OF THE BRITish America Packing Co., Skeena, will be held on the 19th day of January, 1885, at the residence of Gust Holmes, at 9 A. M., for the purpose of electing directors for the ensuing year and transacting any other business that may come before the meeting.

By order of the president.

A. YOUNG,
Secretary.

Special Sale.

THE FINE STOCK OF D. HART IS NOW offered at private sale at cost price. It comprises ladies' and gents' furnishing goods, clothing, etc. A good chance for bargains.

I. BERGMAN,
Assignee.

Stockholders' Meeting.

THE ANNUAL MEETING OF THE Stockholders of the British America Packing Co. will be held at the residence of Gust Holmes, Upper Astoria, Oregon, on the 18th of January, 1885, at 9 A. M., for the purpose of electing a board of directors for the ensuing year and to transact such other business as may come before the meeting.

By order of the president.

A. YOUNG,
Secretary.

Elegant Rooms.

SUNNY AND CONVENIENT. IN WM. Hume's building.

Apply to SAMUEL ELMORE.

For Rent.

A LARGE, FINE STORE ROOM; ALSO the second and third floors in the corner building on Olney and Squemoqua streets.

Inquire of RUDOLPH BARTH.

For Sale.

TWO HUNDRED AND FORTY ACRES on Gray's River: fine timber and bottom land: three miles from steamboat landing. Fifty acres improved; stables, outhouses, etc., fruit. A splendid chance for a man with a little money.

Apply to FERDINAND HANSEL on the premises.

Annual Meeting.

THE STOCKHOLDERS OF THE GARIbaldi Packing Co. will hold the annual meeting Wednesday, the 28th of January, 1885, at the residence of John T. Sands, Astoria, Oregon.

By order of CHAS. WICKSTROM,
President.

Notice of Application.

NOTICE IS HEREBY GIVEN THAT THE undersigned intends to apply to the common council of the city of Astoria at its next regular meeting, for a license to sell wine, malt and spirituous liquors in less quantities than one quart, for a period of one year, in the building fronting on Chenamus street and situated on Lot No. 6, Block No. 58, in the City of Astoria as laid out and recorded by John McClure.

R. L. JEFFERY.

For Rent.

TWO FRONT ROOMS: SUITABLE FOR offices: centrally located: apply at ASTORIAN office.

Assignee's Notice.

NOTICE IS HEREBY GIVEN THAT THE undersigned has been appointed assignee of the estate of D. Hart, an insolvent debtor. All creditors of said estate are notified to present their claims against said estate, under oath, to me, within three months at the office of F. D. Winton, in the city of Astoria, Clatsop county, Oregon.

ISAAC BERGMAN,
Assignee.

Dec. 27th, 1884.

Aramanda Says Yes

AT LAST, AND

Smithers Won His Best Girl!

His Stylish Appearance Did it.

No wonder: he gets all his clothes made at

M. D. KANT'S

Clothing Emporium.

There you can find the finest assortment of

Cloth, Cassimeres and Tweeds.

Also, the best stock of ready-made CLOTHING, for Men, Youths and Boys.

FURNISHING GOODS in the grandest assortment. The best of BOOTS and SHOES. Hats and Caps, Trunks and Valises.

Prices are Down to Bedrock

To suit the times. Call and see

M. D. KANT,

The Boss Merchant Tailor and Clothier.

Ship Captains can get their supplies here on very favorable terms

The Northern Pacific Express Co.

FURNISHES

The Shortest, Quickest and most Reliable Route between

ASTORIA AND ALL POINTS.

If you have Anything to Send by Express, Send it by the

Northern Pacific Express Co.

Order your Express packages sent to you by the

NORTHERN PACIFIC EXPRESS CO.

Prompt Delivery, Low Rates, Satisfaction guaranteed

S. ELMORE, Astoria Agent.

Important Notice!

Oregon Improvement Co.

Great Reduction in Price of Coal.

On and after December 1st until further notice the price at the bunkers will be as follows for

SEATTLE COAL.

Clean Domestic per ton, 2240 lbs	$7.00
Average Steam " " "	6.00
Screenings " " "	4.00

On hand a constant supply, at market rates, of first-class

CUMBERLAND.

E. A. NOYES, Agent.

SAINT MARY'S HOSPITAL,

ASTORIA, - - - OREGON

THIS INSTITUTION, UNDER CARE OF the Sisters of Charity, is now ready for the reception of patients.

Private rooms for the accommodation of any desiring them.

Patients admitted at all hours, day or night.

No physician has exclusive right, every patient is free to and has the privilege of employing any physician they prefer.

United States Marine

Seamen who pay Hospital Dues, are entitled to Free care and attendance at this Hospital during sickness. Permits must be obtained for United States Marines at the Custom House.

SISTERS OF CHARITY

For Sale.

The Beautiful and Favorably Located

BAY VIEW RESTAURANT

Is for sale at a bargain, on account of the proprietor's desire to go east to see her parents Inquire at the restaurant or at this office.

Notice to Water Consumers.

I WOULD RESPECTFULLY REQUEST that all persons having their water pipes repaired have them fixed properly so they will not freeze and burst, as I will make no deduction on rates in the future, on account of bursted or frozen pipes. Any information in regard to the manner of fixing pipes will be cheerfully given by request.

JAS. W. WELCH,
Sup't.

For Sale.

FINE NINE-ROOMED DWELLINGhouse with two lots, corner Main and Seventh streets. For further particulars apply at THE ASTORIAN office.

Executor's Notice.

HAVING BEEN APPOINTED BY THE County Court of Clatsop County, Oregon, executrix of the last will and testament of Thos. Goodwin, deceased, all persons having claims against said estate will present them duly verified and with proper vouchers to the undersigned at her residence on Clatsop Plains, Clatsop County, Oregon, within six months from this date, Dec. 5, 1884.

MARIETTA GOODWIN,
24-5t Executrix.

Adler's Crystal Palace Book Store.

Carl Adler, Sole Agent, Astoria.

FINE JEWELRY, LADIES' WATCHES, DIAMONDS, Jewels Rich AND RARE.

Everything First-Class. All Goods GUARANTEED.

We take pleasure in Showing Goods

ROCKFORD Quick-Train WATCHES Unequalled in EXACTING SERVICE

Used by the U. S. Coast Survey, in U. S. Naval Observatory, by Locomotive Engineers Conductors and other Railway men. They are recognized as THE BEST. Sold in principal cities & towns by exclusive Agents (leading jewelers), with a Full Warranty.

Gold and Silver WARE, Fancy Clocks EBONY, Ormolu and Crystal. GEMS, Ornaments and Precious Stones. The newest and most Elegant Designs in JEWELRY.

Remember CARL ADLER'S Crystal Palace.

Carpets! Carpets! Carpets.

We beg to call the attention of the public to our latest importation, direct from Eastern manufacturers, of the largest invoice of CARPETS ever offered for sale in this city, comprising all grades, from the

FINEST BODY BRUSSELS

In the Newest Tints and Shades,

To the lowest priced article in this line. We are determined to dispose of our stock of Carpets within the next four weeks, and to that end offer special inducements, precluding the possibility of Being Undersold by any of our Competitors.

—IN THE—

Furniture and House Furnishing Line

We can show you the very BEST GOODS at BOTTOM FIGURES, and shall be pleased to receive a call for inspection whether you purchase or not.

CHAS. HEILBORN.

New Establishment!

NEW PRICES!!

FURNITURE, FURNISHING GOODS,

Carpets, Matting, Pictures, Mirrors,

PICTURE FRAMES MOULDINGS, ETC., ETC.

At Greatly Reduced Prices,

ASTORIA FURNITURE CO.,

Cor. Chenamus and Hamilton Sts. H. Du BUISSON, Manager.

Students

Of either sex admitted to the PORTLAND BUSINESS COLLEGE

On any week-day of the year.

The College Journal, containing information of the course of study, rates of tuition, board, examination, etc., and cuts of plain and ornamental penmanship, free. Address,

A. P. ARMSTRONG,

Lock Box 104. PORTLAND, OR.

In writing, please mention this paper.

Assignee's Notice.

IN THE CIRCUIT COURT OF THE STATE of Oregon, for Clatsop County, in the matter of the assignment of Wm. Houseman, insolvent:

Notice is hereby given that the undersigned has been appointed assignee of the estate of said Wm. Houseman, an insolvent person, and all persons having claims against said estate are hereby notified to present the same to the undersigned at his place of business, in Astoria, Oregon, duly verified as required by law, within three months from the first publishing of this notice.

ISAAC BERGMAN,
Assignee of the estate of
Wm. Houseman.

Astoria, Or., Dec. 18, 1884.

Assignee's Notice.

NOTICE IS HEREBY GIVEN THAT THE undersigned has been appointed the assignee of the estate of Banger & Johnson, and all persons having claims against said firm are hereby notified to present the same duly certified to the undersigned, at his office, in Astoria, Oregon, within three months from this date, Dec. 27th, 1884.

J. H. D. GRAY.

T. G. RAWLINGS,

Wholesale and Retail Dealer in

Tropical, Domestic, Green and Dried

FRUITS.

NUTS, CANDIES, DRIED MEATS, ETC.

Fine Cigars and Tobacco.

Next door to I. J. Arvold's, Squemoqua St.

Dissolution of Partnership.

NOTICE IS HEREBY GIVEN THAT THE partnership heretofore existing between Bergman & Berry is this day dissolved by mutual consent, A. W. Berry retiring from the firm, who will collect all bills due and settle all accounts of the late firm.

ISAAC BERGMAN,
A. W. BERRY.

Astoria, Oregon, December 31st, 1884.

Furnished Rooms to Let,

WITH OR WITHOUT BOARD.

Enquire of MRS. E. C. HOLDEN.

Christmas Presents FOR YOUNG AND OLD.

THE HENLEY CLUB SKATE

Nickle Plated, Spring Steel Bottom and Steel Clamp.

The HENLEY CHALLENGE SKATE, Wooden Bottom and Leather Straps.

The best and only practically scientific skates. Elegant in finish. Will turn a three foot circle and all the wheels rest square on the floor. Wheels with babbit metal boxes. The leading skates in all the principal Rinks. Bicycles and Tricycles.

OSBORN & ALEXANDER,
Sole Agents,
Mechanics' Tools, Hardware and Machinery.
628 Market St., opp. Palace hotel,
San Francisco.

Send for free catalogue and price list

Wood for Sale.

Good Dry Vine Maple and Fir.

Vine Maple, $3 75 per cord: $4 00 delivered
Fir, - - 3 00 " " 3 50 "

Leave orders with Dan Murray, at
D. L. BECK & SONS.

HAS RETURNED.

J. P. LEATHERS HAS RETURNED and is ready to turn out some fine fishing boats for the river. Shop on the beach between Kinney's and Elmore's canneries.

CUNARD STEAMSHIP LINE.

WE BEG LEAVE TO ANNOUNCE A great reduction in rates over the above well known line. Parties desiring to go to Europe, or wishing to send for friends in the old country will find it to their advantage to purchase tickets over the Cunard line. Tickets issued by us good from any part of Europe to Astoria.

BOZORTH & JOHNS,
Agents.

Boat Building.

THE BEST

STOCK AND WORKMANSHIP

GUARANTEED.

Boats of Every Description Built.

Shop over Arndt & Ferchen's.

R. M. LEATHERS.

Notice To The Public.

NOTICE IS HEREBY GIVEN THAT I will not be responsible for any debts contracted by my wife.

JOHN DOUGLAS.

Astoria Dec. 31st, 1884.

YOU CAN GET

—THE FINEST—

Family Groceries, Provisions and Freshest Vegetables,

—AT—

FRANK L. PARKER'S

—ALL AT—

Low Down Prices!!

Corner Benton and Chenamus Streets,

Opposite Custom House Square.

STEAMER

CLARA PARKER

Eben P. Parker, Master.

For TOWING, FREIGHT or CHARTER apply to the Captain, or to

H. B. PARKER.

John A. Montgomery,

—DEALER IN—

Tin, Sheet Iron and Copper Ware.

A General Assortment of

HOUSEHOLD GOODS.

Agents for

Magee Stoves and Ranges

The Best in the market.

Plumbing goods of all kinds on hand. Job work done in a workmanlike manner.

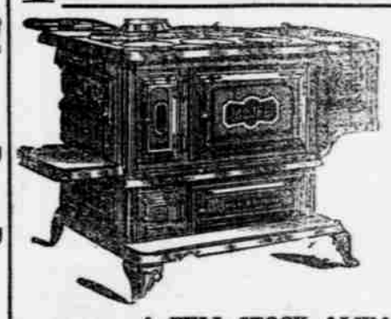
PLUMBING, GAS FITTING, AND CANNERY WORK

Attended to Promptly on Reasonable Terms.

Chenamus Street, Next to C. L. Parker's Store.

ASTORIA. - - - OREGON.

THE NEW MODEL



RANGE CAN BE HAD IN ASTORIA ONLY OF

E. R. HAWES,

AGENT

CALL AND EXAMINE IT, YOU WILL BE PLEASED.

E. R. HAWES is also agent for the

Buck patent Cooking Stove

And other first-class Stoves.

Furnace Work, Steam Fittings, etc., a specialty.

A FULL STOCK ALWAYS ON HAND.

M. OLSEN. J. GUSTAFSON. A. JOHNSON.

MARTIN OLSEN & CO.

DEALERS IN

FURNITURE AND BEDDING

Corner Main and Squemoqua Streets, Astoria, Oregon.

WINDOW SHADES AND TRIMMINGS; WALL PAPER, ETC

A Complete Stock.

PRICES AS CHEAP AS QUALITY WILL AFFORD.

ALL KINDS OF FURNITURE REPAIRED AND VARNISHED.

Builders and Carpenters

MATERIAL.

SASH DOORS AND MOULDING.

First Class Work at Prices to Suit the Times.

PLANS AND ESTIMATES FURNISHED.

C. H. Bain & Co.'s

Steam Planing Mill and Sash Factory

Boat Building a Specialty.

New Year's Goods

AT

I. J. ARVOLD'S

A BIG STOCK OF

RUBBERS,

WINTER BOOTS

AND SHOES.

Ladies' and Children's Fine Shoes

AT

I. J. ARVOLD'S,

Sign of The Golden Shoe.

Carnahan & Co.

SUCCESSORS TO

I. W. CASE,

IMPORTERS AND WHOLESALE AND RETAIL DEALERS IN

GENERAL MERCHANDISE

Corner Chenamus and Cass streets.

ASTORIA - - - - OREGON

FOR

Finest Groceries,

—GO TO—

FOARD & STOKES.

A FULL LINE OF

HARDWARE

AND

Ship Chandlery.

—A—

NEW SLIP

Just Finished in Rear of Store.

Hardware and Ship Chandlery

VAN DUSEN & CO.,

DEALERS IN

Hardware and Ship Chandlery

Pure Oil, Bright Varnish,
Binacle Oil, Cotton Canvas,
Hemp Sail Twine,
Cotton Sail Twine,
Lard Oil,
Wrought Iron Spikes,
Galvanized Cut Nails,
Agricultural Implements,
Sewing Machines,
Paints and Oils, Groceries, etc.

For Sale.

I OFFER FOR SALE, THE STOCK, GOOD will, and fixtures of the Cigar and Fancy Goods Store of Wm. Houseman. A man meaning business can make a good bargain.

ISAAC BERGMAN.
Assignee.