

Ammen v. Eads.

Admiral Ammen is bitterly hostile to Capt. Eads, hence his sayings, in a letter to a gentleman at San Francisco, which we quote from the News, must be taken with some small grain of allowance. He says:

Regarding his (Captain Eads) engineering proceedings, I have to say that the St. Louis bridge, including approaches, damages, etc., was on his estimate to have cost something under \$5,000,000; the cost of the bridge to the owners is somewhat over \$17,000,000. The jetty system, which one might assume was an application so frequent that its temporary result at last has been, almost without exception, effective—the Rhone and one or two other rivers being the exceptions, and the reasons of failure apparent. With the Rhone, the mountains were near, and the floods brought down gravel, sand, etc., with sufficient force to send it beyond the jetties, where the material is deposited in a tideless sea.

But Captain Eads did not adopt the European methods of making mattresses of willow or other small growth of timber, and then putting them in position and ballasting them until they sank. Instead, he had long pieces of scantling, into which he had pegs placed at certain intervals, having a length of some two feet. The scantling formed the flooring of the small growth, and the pegs were designed to hold the longitudinal willows in position; and then another row of some given thickness was placed transversely, and so, to some given thickness, these mattresses rested at an angle from the top of the bank to the bottom of the river. With the breaking of the pegs, gravitation will settle the mass into the stream. Captain Eads is now, year after year, putting concrete work over his imperfect mattress work, and dredging like a good fellow to keep the channel to the required depth, to get his yearly payment of \$100,000 for maintaining the channel. In short, he has always condemned the idea of dredging, and yet between what he spends in that manner, and the concrete blocks which he is constantly putting on his jetties, he spends quite \$100,000 yearly.

If you have not read his article in the March number of the North American Review, pray do so. In order to equalize the weight on the wheels, as the forward and after sections of a ship laden would weigh less than the amidship section per running or longitudinal foot, he proposes that the ends should project fifty or sixty feet, so as to compensate. Of course the forward and after trucks would simply be fulcrums for a lever of fifty or sixty feet in length, and of great weight. It would seem that his engineering science does not involve at all a knowledge of the simplest of mechanical forces—a lever! It is incredible that any man in his senses, and a pretending engineer, should coolly propose leaving the ends of a ship for fifty or sixty feet unsupported, when there is not a ship in existence that would be not hopelessly ruined if thus left for twenty-four hours.

The sixteenth Industrial exhibition of the San Francisco Mechanics Institute will open on Tuesday, August 24, continuing four weeks and four days.

On a small island called Coronada, twenty-five miles westward from San Diego, a fine close-grained brown stone has been found. This stone is exactly similar to that so highly prized in New York, where black upon block of mansions are built of it. It is a beautiful red-brown sandstone, compact and close-grained, easily carved, and susceptible of a smooth satin finish. It is said to exist on the island in inexhaustible quantities. A block now on exhibition in San Francisco is attracting much attention.

A meeting of the California grangers was held on the 14th for the modest purpose of controlling the price of wheat and regulating freights. The usual tirades against the mercenary middlemen were indulged in, and the usual display of ignorance made. The News suggests that until the California farmer becomes rich enough to control the major part of the world's tonnage, and discovers a method of regulating the world's supply of wheat, they will be compelled to submit to the great law of supply and demand. We would suggest that if they desire better prices for wheat, they should reduce the amount raised by one-half, and their object will be accomplished.

President Garfield is losing his appetite and takes horseback exercises.

Charleston, South Carolina, expects to send a million quarts of strawberries to New York this season.

Stock for a new cotton mill, to have a capacity of 40,000 spindles, is being subscribed in Fall River, Massachusetts.

In certain parts of Germany the peasantry consider it good luck to meet a pig. It isn't considered good luck in this country, that is, if it is in a car and you want a seat.

The wages of mechanics, artisans and day laborers in Chicago will be twenty per cent. higher the coming season than last season, and the price of building material ten per cent. higher. Nevertheless, there promises to be great activity in building. A thousand people per month are added to the city from immigration alone, and the demand for house room and business sites is constantly growing, more especially in the suburban towns, where building is very lively.

The prompt return to Switzerland of the obnoxious women sent to the United States from that country has created considerable comment abroad, but according to the New York Herald it was a wholesome though nauseating dose. If Secretary Blaine continues administering the same medicine to all countries that endeavor to make the United States a sort of penal colony, he will deserve the gratitude of the country for centuries to come.

Since 1871 the grain crops of the United States have been valued at the enormous sum of \$10,000,000,000, or an average of \$1,000,000,000 per annum. Of this total, about one-half or \$5,000,000,000 has been the value of the corn crop, while the wheat crop during the same period has aggregated a value of \$3,500,000,000. In the year 1880 the United States exported 144,493,007 bushels wheat valued at \$171,420,195, and 7,128,164 barrels flour, invoiced at \$39,613,847.

NEW TO-DAY. Notice. LOST—April 19th below steamer Great Republic 10 mesh net, 30 meshes new, balance old. Coats marked L. G. H., socks and ties all new. Any person finding the same will be suitably rewarded by calling upon L. G. HAAVEN, West Coast Pkg. Co. April 20, 1883.

Notice. FOUND—A net has been found at Biall-let & Co's station, Sand Island. Can be obtained by proving property and paying charges, on application to J. HADOLLETT & CO. Upper Astoria, April 19, 1883.

BANKING AND INSURANCE.

Commercial Union Assurance Co. OF LONDON. Capital, \$12,500,000.

Fire and Marine Insurance. JOHN RAE HAMILTON, Manager, 210 Sansome St., San Francisco.

MARINE INSURANCE. PACIFIC COAST MARINE BRANCH. Commercial Union Assurance Co., OF LONDON. Capital, \$12,500,000.

INSURE POLICIES. To cover shipments of SALMON or other Merchandise by MAIL or STEAMER from Columbia River to...

BANKING AND INSURANCE. I. W. CASE. BROKER, BANKER.

INSURANCE AGENT. ASTORIA, OREGON. OFFICE HOURS: FROM 8 O'CLOCK A. M. UNTIL 4 O'CLOCK P. M.

Home Mutual Insurance Co., OF CALIFORNIA. J. F. HORTON, President. GEORGE L. STORV, Secretary.

\$67,000,000 CAPITAL. LIVERPOOL AND LONDON AND GLOBE. NORTH BRITISH AND MERCANTILE OF LONDON AND EDINBURGH.

THE PROPRIETORS ARE HAPPY TO announce that the above hotel has been repainted and refurbished, adding greatly to the comfort of its guests...

CLARENDON HOTEL. PORTLAND, OREGON. ZIEBER & KNOWLES, Proprietors.

Pioneer Restaurant Hotel. MAIN STREET, ASTORIA. Mrs. S. N. Arrington, Proprietor.

RESTAURANT. JOHN MATTHEWS, PROPRIETOR. Is now ready to Supply Fishermen with Lunch.

The New York Oyster Saloon. Will serve to their customers from this date as follows: TEA, COFFEE, CHOCOLATE.

Fair Wind Coffee Saloon. CHOP HOUSE. WATER STREET, ASTORIA.

Dr. Warner's Health CORSET. MRS. DERBY'S. MASONS HALL BUILDING, CORNER OF MAIN AND SQUEMOSH STREETS.

ROScoe'S FIRST CLASS Oyster Saloon. MAIN STREET, ASTORIA.

Ladies' and Gentlemen of this City. That he is now prepared to furnish for them, in first class style, and every style, OYSTERS, HOT COFFEE, TEA, ETC.

WOOD WORK. Contracts taken to build and repair SHIPS, HOUSES, BOATS, ETC., AT LOWEST RATES.

War! War!! War!! Not a Bloody War, but a War in Prices! The News Squashed! THE CHALLENGE SENT, AND I WILL BE THE FIRST TO ACCEPT. CALIFORNIA ONE PRICE STORE!

In consequence of my successful opening a jealousy has arisen, and I shall strive to give my colleagues a cause for such, and the public a benefit of Red Hawk Prices. Dress Goods, Shawls, Sacques, Notions, Ladies' Underwear, Boots and Shoes, Hats and Caps. Clothing, Gents Furnishing Goods.

CLOTHING DEPARTMENT: GOOD SUITS OF CLOTHING FROM \$5.00. DIAGONAL SUITS OF CLOTHING FROM \$2.50.

FURNISHING GOODS: OVERALLS FROM 25 CENTS. JUMPERS FROM 20 CENTS. WOOLEN SOCKS, 3 PAIR FOR 25 CENTS.

G.W. HUME Wholesale and Retail Dealer. GROCERIES, PROVISIONS, LUMBER, ETC., ETC., ETC., TIN PLATE, BLOCK TIN, PIG LEAD, SEAMING COPPERS, SOLDERING COPPERS, SALMON TWINE, COTTON TWINE, NET LINES, MANILLA ROPE, SAIL CLOTH, ANCHORS, OARS, FLOATS, MAULS, HANDLES, MURIATIC ACID, LACQUER, VARNISH, TURPENTINE, BENZINE, COAL OIL, GUM BOOTS, RICE, ETC., ETC., IN QUANTITIES TO SUIT.

Barbour's IRISH FLAX THREADS. Salmon Net Twine. Cotton Seine Twine, Cork and Lead Lines, Cotton Netting, all sizes. Seines Made to Order, Flax and Cotton Twine, Fishing Tackle, etc.

PERUVIAN BITTERS. CHINCHONA RUBRA, AND CALIFORNIA GRAPE BRANDY. THE GREATEST MEDICAL DISCOVERY OF THE AGE. VALUE HEALTH. READ! B. W. BLOOD, (Successor to Blood & Lee.) CLATSkanie, OREGON.

Chas. Stevens & Son. CITY BOOK STORE. BROWN'S BUILDING opposite the BELL TOWER. Largest and Best Assortment of novelties in the stationary line usually found in a first-class book store...

W. E. DEMENT. ASTORIA, OREGON. DRUGS AND CHEMICALS, Toilet and Fancy Articles, PATENT MEDICINES, ETC. County Treasurers Notice. THERE IS MONEY IN THE COUNTY Treasury to pay all County orders presented prior to April 28th, 1883.

M. D. KANT, MERCHANT TAILOR AND CLOTHIER. FOLLOW ME! M. D. KANT'S TAILORING AND CLOTHING EMPORIUM MAIN STREET.



A COMPLETE SELECTION IN GENTS FURNISHING GOODS. Mens Clothing, Youths Clothing, Boys Clothing, Boots and Shoes, HATS AND CAPS, STRAW HATS, GLOVES.

A Fine Stock of Foreign and Domestic Cloths, Cassimeres and Tweeds. A Full Line of Tailor Trimmings, Etc. The Best Cutter and Tailor will Make up his Goods with a Full Guarantee as to Fit and Finish.

E. R. HAWES, Dealer in Gunner Supplies of all Kinds. Agent for the celebrated MEDALLION RANGE, High Closets, Low Closets, and Plain Ranges.

SHIP CHANDLERY. BUILDERS & GENERAL HARDWARE. NAILS, PAINTS, OILS, ETC.

WELCH HILL WATER WORKS. Furnish pure SPRING WATER to patrons. Custom Solicited. Pipes and general water fixtures constantly on hand.

Wanted. 15,000 POUNDS RAGS of all kinds clean and dry, at the Umbrella shop, Main street, by J. JOPLIN.