

**THE TELLER.**  
LEWISTON, NORTH IDAHO.  
FRIDAY ..... OCTOBER 11th 1878.  
**THE CLEARWATER RIVER.**

Can it be made Navigable for Steamboats.

The question of navigating Clearwater river by steamers of light draft has been a doubtful one to some, but its practicability believed by others for a long time. The attention of the government was called to the matter by our present Delegate, and an order obtained for a preliminary examination to be made under the direction of Col. Wilson, chief of the river engineering on the Columbia and its tributaries. Mr. P. G. Eastwick, a competent engineer, was detailed for the service, and he has just closed his surveys, and will soon make his report. Mr. Charles Carleton, a river man, was employed by Mr. Eastwick to assist in the survey. Mr. Carleton took quite full notes of the river as they descended, and though in all respects they may not correspond with Eastwick's report, yet the difference will not be material in deciding the question of practicability. As Mr. Eastwick would not be authorized to give to the press the result of his observations in advance of his official report to headquarters, we have received from Mr. Carleton the substance of his own notes which we now give to the public.

The survey with soundings commenced at the mouth of the middle fork nearly 6 miles above Kamia agency buildings. Before proceeding down the river Mr. Carleton went up the middle fork 9 miles and found good navigable water save two riffles which he did not examine fully as to depth of water. Above this point for a distance of 18 miles, citizens acquainted, informed him there was continuous good navigable water in middle fork. In giving details of distances and depth of water in what follows, we include the riffles in the distances, and mention the least depth of water on the riffles at low water, except in long riffles where we mention separately the length of the riffle. Where we mention rocks we mean those that will have to be removed to make a steamboat channel from 60 to 80 feet wide at low water.

Commencing at mouth of middle fork thence we proceed down to Indian Billy's a distance of five miles. In this distance we passed three riffles and one short bar. The least water on the upper riffle was 2 1/2 feet, on the next 3 1/2 feet, on the next 3 feet, and on the last about 4 feet, with 20 rocks to be removed in the whole distance. These are detached rocks and most of them small. Water good depth for steamboating save as mentioned on the riffles. From Billy's to mouth of Kamia creek 2 miles good water with riffle at this point, water 2 1/2 feet deep and 2 rocks to be removed. Then run 1 1/2 miles good water from 3 to 8 feet in depth and no rocks in channel, at this point we found bed rock with deep channel from 60 to 80 feet wide, and one large rock in channel which should be removed. Then run 2 miles with water 5 feet and upwards in depth, at this point a short gravel bar with channel on the right and water on bar 2 1/2 feet deep and 5 small rocks to be removed. Then run 1 1/2 miles good water 5 feet deep and bed rock bottom and 2 small rocks to be removed. Then run one-half mile with channel near left bank and 3 rocks to be removed; then we encountered a gravel bar one-fourth of a mile long, least depth of water on bar 16 inches with deep water below, channel easily dredged or can be deepened by force of current by wing dam. Then run three-fourths of a mile good water, here we found boulders and bed rock for distance of one-half mile but deep water, about 240 yards of rock will have to be removed from this half mile to make channel 60 feet wide. Then run one-half mile good water 5 feet deep and come to a short bar with 5 rocks in channel but plenty of water. Then run another half mile good water and came to short bar, deep water and 2 rocks in channel. Then run 1 mile good water and came to bar, deep water and 5 rocks in channel. Then run 2 miles in canyon with deep water and no rocks in channel, here came to riffle or

gravel bar, 2 1/2 feet of water on bar and 1 rock to be removed. Then run 2 miles more in canyon with deep water and came to riffle half mile in length, least water on riffle 2 1/2 feet and only 1 small rock to be removed. Then run one-half mile good deep water and came to a gravel riffle half mile long with 2 feet of water at least depth. Then run 1 mile in deep water and came to gravel riffle, channel 3 feet deep near right bank and 4 rocks to be removed. Then run 2 miles in good deep water to mouth of Lo Lo creek. Then run half mile with 3 feet water and smooth bottom, then run short riffle, water 4 feet deep with 2 points of bed rock to be removed from channel. Then run one-fourth of a mile good water to ferry; thence one-fourth mile below ferry came to riffle with 5 rocks to be removed, least depth of water on riffle 2 feet. Then run one-half mile good water to riffle containing 1 rock in channel, water on riffle 4 feet deep. Then run one-half mile to riffle with 3 rocks to be removed but plenty of water on riffle. Then run 1 mile of good water and came to riffle containing 1 rock to be removed from center of channel, plenty of water in channel. Then run 1 1/2 miles good water and came to gravel bar, least water on bar 2 feet and 2 rocks to be removed at lower end of bar. Then run 1 mile good water and came to gravel bar with channel on the left and 2 rocks to be removed from channel, water 3 feet deep on bar. Then run 1 mile to Jim Ford creek good water save 3 rocks to be removed from channel, here came to long gravel bar formed by said creek, channel to the right, 2 feet on bar and 3 small rocks to be removed from bar, and one large rock just below the bar to be removed. Then run 4 miles good water from 3 to 7 feet in depth, to Jim Ford's Island just above mouth of Oro Fino creek, channel to left of Island, a small point of Island needs to be removed and 4 rocks from the channel, this brought us to mouth of Oro Fino creek. Then run in channel near right bank 2 miles good water with a few small rocks to be removed from channel, here we find the Slough Gundy riffle with channel to the right of a small Island and 3 rocks to be taken from the riffle, plenty of water on riffle. Then run good water to mouth of north fork, water from 3 to 5 feet in depth and smooth bottom, at this point we are 40 miles above Lewiston via river. Here the south fork unites with the north fork by a wide mouth, and has a gravel bar about 100 yards long, where the least water is 16 inches, this can be easily dredged. Then run half mile, water from 2 to 4 feet deep and 3 rocks to be removed, at this point is a small Island. Then run three-fourths of a mile water from 2 to 8 feet deep to a riffle, channel on the right, water on riffle 2 to 3 feet deep and 4 rocks to be removed. Then run in good water from 3 to 20 feet deep 1 1/2 miles to Steamboat riffle. The Col. Wright ascended to this point in 1861. This riffle is one-fourth of a mile long, 3 feet least water on riffle and 3 rocks to be removed from channel. Then run one-half mile to Saddle Bark riffle, found 3 large rocks to be removed, water on this riffle from 3 to 8 feet deep. Then run one-half mile to a wide riffle channel in center, least depth of water on riffle 16 inches 5 small rocks to be removed. Then run 1 1/2 miles to mouth of Col Spring canyon, good water from 3 to 10 feet deep, a few small rocks to be removed. Then run 1 mile in deep water to head of Harper's riffle, channel on right of riffle 1/2 mile to Harper's bend, water from 2 to 5 feet deep, a few small rocks to be removed. Then run through riffle half mile, channel in middle, water from 2 to 4 feet deep and 7 rocks to be removed. Then run one mile good water to Bark house Joe's riffle, channel on right of riffle, water from 3 to 5 feet deep, 5 rocks to be removed. Then run good water 1 1/2 miles to old Indian Jack's. Then run 3 1/2 miles good water to head of Big Eddy riffle 2 small riffles with deep water and no obstructed in channel. Big Eddy riffle water from 2 to 5 feet deep, and 17 small rocks to be removed and point of gravel bar to be taken off so as to avoid the whirl of eddy. Then run 2 miles to Slaterville good water, save a small gravel bar where least depth of water

is 18 inches, one rock to be removed. Then run 1 1/2 miles good water to Cam-powee riffle, there water shallow, least depth 2 feet. Then run 1 1/2 miles good water to Bluff riffle water from 2 to 4 feet deep and 5 rocks to be removed. Then run 1 1/2 miles good water to Doctor's riffle with 1 rock to be removed en route, plenty of water on riffle. Then run 1 1/2 miles to Cottonwood good water. Then run 1 mile to Deadman's eddy water from 2 to 5 feet deep and 3 small rocks to be removed. Then run 4 miles to mouth of Podlatch creek good water from 2 1/2 to 8 feet deep, 7 small rocks to be removed. Then 3 miles to mouth of Lapwai good water save 2 riffles, 5 rocks to be removed, water on riffle 2 to 8 feet deep. Then run 3 miles good water to Hog Island, 1 rock to be removed. Then run 4 miles to Reuben's rapids, 2 gravel bars to be dredged, water on bars from 16 inches to 3 feet 5 rocks to be removed. From Reuben's rapids 100 cubic yds. of bedrock to be taken out to make a channel at low water 75 feet wide and four feet deep. Then run 1 1/2 miles to Mulkey's good water with three rocks to be removed and 1 small gravel bar to be dredged at this point and 22 cubic yds. of bedrock reef to be cut out to make channel 60 feet wide. Then run 1 1/2 miles to mouth of Clearwater at Lewiston, water from 2 to 10 feet deep at lowest stage, and 9 rocks to be removed, 2 riffles in this distance.

In conclusion it is estimated that 2,300 cubic yds. of rock will have to be removed in the whole distance from mouth of middle fork to Lewiston, a distance of 80 miles, and most of this is boulders which can be easily removed and the whole can be done at a cost of \$11 per cubic yard, and money made in the contract. Most of the bars can be removed by means of small wing dams to force the whole current into the channel. Two or three places will require a dredger. The grade of Clearwater from Lewiston to mouth of north fork is only 7 feet per mile, a distance of 40 miles. Thence to mouth of middle fork 40 miles, the grade has not been surveyed, but is estimated at between 8 and 9 feet per mile. Thence up the middle fork 27 miles not to exceed 11 feet per mile. From the above it may be readily seen by competent engineers that with an outlay of less than \$75,000 judiciously expended 107 miles of good steamboat navigation east of Lewiston can be secured, directly on the route of a railroad to Bitter Root valley via, the Ska-ka-ho pass. The whole country bordering the Clearwater on both sides and for many miles back from the stream, for the whole 107 miles, is an excellent wheat growing country as good as any, if not better, than any in eastern Washington. A part is now an Indian reservation but will not long remain such.

**Letter From Lewiston.**

LEWISTON I. T. Oct. 9th 1878.  
MR. EDITOR:—In your paper of last week I noticed an essay on education, written by one of your correspondents, in which he advocates the necessity of a general change in the routine of our educational department. I can agree with those who think and say that practical reforms are needed in our method of popular education. Valuable as our public school system proves itself to be, and indispensable as it is to a government founded on the intelligence and integrity of the units composing the nation, still, as things go, multitudes of children are deprived of certain advantages which they ought to have while acquiring an education for the practical affairs of life. Until some way is found for connecting with our public school, a department for technical instruction in particular arts, society will continue to be burdened with educated idlers who are about working at manual labor of any kind. The fact is that a majority of our boys and girls are both over and under educated. Their acquirements are sufficient to make them despise all forms of productive labor. The boys become clerks, sports or men of wits, and the girls are teachers, singers or elegants. They should be taught the elements of a livelihood in conjunction with the practical knowledge of carrying it out.

**Could not Control.**

Newell, of the Statesman, who sought to run the Democratic convention of Walla Walla county, failed and is sore headed as the following will show:  
REPUBLICAN TACTICS.

The Republicans delayed their nominations until after the Democratic candidates were in the field, the object being to take advantage of any mistakes made by the Democrats. We now hear that they intend to bring out their strongest men, and in that way expect to carry part if not the whole of their ticket. The writer advised conciliation and harmony in the Democratic convention, but his advice was disregarded, and now the Republicans propose to charge upon the stronghold of Democracy. It is never safe to allow men with less brains than a cocoanut to rule.

**DIED.**

In this city October 4th, 1878, of Typhoid Phenomena, Allen Putnam. Aged 22 years.

The *Malibu Mirror* and *East Boston Advocate* please copy.  
The deceased was born in Boston, Mass., September 1856. He came to California in 1874, to Walla Walla in 1877 and to Lewiston in the Spring of 1878. His father, mother, three brothers and two sisters came to Portland last Spring, on the steamship Oregon, from Boston. They came to Lewiston in company with the deceased, and the father and the deceased each pre-empted 160 acres of land about 7 miles southeast of Lewiston and had commenced the construction of dwellings thereon for the purpose of making this locality their permanent home. The deceased was employed for a short time as clerk for J. P. Vollmer & Co., and while there his mother was taken ill, soon after he himself was attacked, but fearing that his own illness would operate against the recovery of his mother, he bore up against his disease for several days without employing medical aid. He at last had to leave work and take to his bed. His physician when first called pronounced his case a very critical one (Typhoid Phenomena), and expressed great doubt of his recovery. Every attention possible was given in order to baffle the disease. At times hopes were revived, but new phases would soon blast them, and he lingered till the night of the 4th inst. when his spirit departed. During all his sickness he was never heard to murmur or complain, but when he could talk he was making plans for his future life here with his family. The strongest affection existed between him and the members of his family and more especially between him and his mother, and the last words he was heard to utter were as his mother bent down to kiss him. He said, "mother don't take my breath," fearing that she might inhale the contagion of his disease. He was a young man free from the ordinary vices which are habitual with most of the young men of this coast. He was generous to a fault, and tenderly moved by the suffering of a fellow being, kind, agreeable and affable towards all in his department, and yet firm in his purposes to resist wrong. He was also intelligent, industrious and energetic. In his death the family have lost an ardently loved son and brother, one upon whose energies and counsel, though young, all had built the strongest hopes, and the community have lost a bright example of a youth whose department was worthy of close imitation. The family, though comparatively strangers among us, have the deepest sympathy of the whole community in this bereavement. The funeral which took place on Sunday was largely attended, and Rev. Mr. McAllister officiated in a very appropriate manner, and the dirges sung by the choir were well chosen and well performed. "The wind bloweth where it listeth," so comes the grim monster, death.

**GENERAL BLACKSMITHING**  
DONE AT LIVING RATES  
AND IN  
Workman Like Manner By  
**J. R. YANE**  
OPPOSITE LUNA STABLE,  
LEWISTON, I. T.  
52-1/2

**Nez Perce County Republican Convention.**

PURSUANT TO NOTICE THE REPUBLICAN Central Committee met at Lewiston on the 1st day of October, A. D. 1878.

On motion it was ordered that the Republican County Convention be held in Lewiston on Saturday the 19th day of October, 1878, for the purpose of nominating candidates for the various offices of Nez Perce county and for the transaction of such other business as may come before said convention.

On motion it was ordered that primary elections in the various precincts of Nez Perce county be held on Saturday the 12th day of October, 1878, at 7 o'clock P. M., at the usual places of holding elections.

On motion it was ordered that the apportionment for delegates to the convention be for Lewiston precinct, 3; Goosee valley, 3; Paradise valley, 3; Palouse Bridge, 2; Camas Creek, 1; Pine creek, 2; Waha, 1.

On motion the meeting adjourned subject to the call of the chairman. C. P. CONYERS, Chairman. T. S. BILLINGS, Secretary. 51

**Caution.**

ALL PERSONS ARE HEREBY CAUTIONED against intercepting or interfering with any saw logs, either in Clearwater or Snake rivers, belonging to the undersigned. Some of our logs are marked "M" and some of them "V" and a few small logs have no mark. LEWISTON LUMBERING & MANUFACTURING CO. Lewiston, Oct. 4th, 1878. 51-1/2

**SWARTZ' EXPRESS,**  
FOR

**GRANGEVILLE, MOUNT IDAHO, FLORENCE, WARRENS, And Salmon River.**  
Connecting With WELLS FARGO at Lewiston.

LEAVES LEWISTON TUESDAY, OF each week, for the above places. Leaves Mt. Idaho for mountain towns, on Wednesdays. Returning, leaves Warrens on Fridays, and Mt. Idaho on Mondays.

Carries Letters, Packages, Treasure, and Passengers.

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I run a stage to Mt. Idaho, and if necessary to Salmon River. Furnish the Best of Saddle Horses.

From Mt. Idaho to other points east.

ALL BUSINESS TRANSACTED WITH promptness, fidelity and dispatch. T. D. SWARTZ. 48-1/2

**ORO FINO EXPRESS.**  
GEO. BOARDMAN PROPRIETOR.

CARRYING U. S. MAIL AND PASSENGERS to and from Lewiston and Pierce City, transacting business with WELLS, FARGO & CO'S. Express, leaving Lewiston on Monday and arriving at Pierce City on Wednesday, leaving Pierce City on Thursday and arriving at Lewiston on Saturday of each week. 48-1/2

Notice  
IS HEREBY GIVEN THAT I HAVE CLOSED out the business of Blacksmithing, and that all persons who are indebted to me for work and material are requested to call and settle before the 1st day of November next, otherwise their accounts will be placed in the hands of an attorney for settlement and collection. J. R. YANE. 48-1/2

**J. C. BALDWIN**

Wholesale & Retail Dealer in

GROCERIES, DRY GOODS, CLOTHING,

BOOTS & SHOES, HATS & CAPS, TOBACCO & CIGARS, CROCKERY, &c.

**LARGE & COMPLETE STOCK,**

Just received and purchased at the PRESENT LOW PRICES.

31-1/2 Lewiston, May 17th. CALIFORNIA BREWERY.

NEAR HEAD OF FIRST ST., LEWISTON, I. T.

Call and see them. WEISGERBER BROS. 1-1/2

**DUNWELL & MORRILL**  
PROPRIETORS OF THE

**LEWISTON AND MOUNT IDAHO Stage Line,**

Transacting business with WELLS, FARGO & CO'S. Express. Also carrying the U. S. Mail from Lewiston to the above named places, and intermediate points.

Always Supplied With The M. Of horses, coaches and "accommodations." Never Failing to Go Through on Time.

TRANSPORTATION PASSENGERS, TREASURER COLLECTIONS, ORDERS &c.

MADE A SPECIALTY, AND ANY all business entrusted to them attended to promptly. We are making trips, (Sunday excepted), to and from Lewiston, I. T., and Mount Idaho I. T. Lewiston every morning (save Sunday) at 4 A. M. and leaving Mount Idaho every morning (save Sunday) at 4 A. M. Making weekly excursions with the expressmen from the mining camps.

The best of references given if required. I. T. DUNWELL. O. MORRILL. 38-1/2

**WALLA WALLA STEAM BAKERY**

ESTABLISHED IN 1861.

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PREMIUM PICTURES OF AMERICA.

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IN NEW YORK CITY, And will be delivered in good condition, or two can be taken out of groups. Price list, with black walnut frame, elegantly mounted, delivered: \$5 50

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Send for Price list to G. KREBS, Agent. 33-1/2