

METALLURGICAL TRIUMPHS.

Show the Scientists Your Ore and He Will Devise a Treatment.

It can truly be said that one of the most important factors entering into mining operations on a large and diversified scale at the present time, and the satisfactory results being chronicled, can be designated as the "metallurgical triumphs" of this day and age...

Years ago but few ways of extracting metallic values from ores were known to the mining world. The stamp mill was the favorite in the handling of free-milling gold and silver ores, and with fire a certain class of rebellious ores could be successfully treated. At this point the miner and millman encountered breakers "ahead," and while many propositions of merit and value appealed to them strongly, they were compelled to ignore mining propositions which, today are being operated at a handsome profit because of the invention and discovery of methods for ore treatment which were not even dreamed of twenty-five years ago...

Low grade copper ores are also being treated successfully at the present time that would not have been looked at by the mining operator and mill man of fifteen years ago, and this because of the fact that the pyritic smelter or roaster has become an important factor in preparing ores of this character for the smelter stack and refinery, in addition to which several copper-leaching processes have been invented by the use of which low grade copper ores can be worked to advantage and at a profit.

Then we have new methods for the recovery of values from tailings and slimes, and, in placer mining operations, the inventive genius has perfected various appliances so that the fine and flour gold can be arrested and diverted to the copper plate or amalgam pot. The successes attending the research and untiring efforts of the millman, the metallurgist and chemist in the endeavor to perfect methods for the successful recovery of the precious metals and their by-products, have been attended by such magnificent triumphs that in these days no mining project need be rejected because of the belief that this or that class of ores can not be successfully worked.

Show the metallurgist your ore and he will show you a process for its reduction. To this fact can be attributed the unqualified success which has attended mining operations during the past few years, and this condition is largely responsible for the widespread interest now being taken in mining operations the world over.—Salt Lake Mining Review.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 27, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington Territory," as extended to all the public land states by act of August 4, 1892.

LEWIS H. GARDNER, of McEwen, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 811, for the purchase of the se 1/4 ne 1/4, ne 1/4 sec 31, and w 1/2 sw 1/4 of section No. 34, in township No. 10 south, of range No. 38 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Wednesday, the 29th day of September, 1901.

He names as witnesses: John Calhoun, Thomas M. Britten, Charles Taylor, James H. Worley, all of McEwen, Ore. Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 29th day of September, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878. NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, May 15, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land states by act of August 4, 1892.

STILES W. DEAN, Jr. of Richland, county of Baker, state of Oregon, has this day filed in this office his sworn statement No. 784, for the purchase of the S 1/2 of NW 1/4 and W 1/2 of NE 1/4 of section No. 34, in twp No. 10 S, range No. 38, E. W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Friday, the 23 day of August, 1901.

He names as witnesses: Elmer Lockhart, Guy Lockhart, Mark Hendrix, Thomas B. Taylor, all of McEwen, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 23 day of August, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, May 15, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all Public Land states by act of August 4, 1892.

STILES W. DEAN, of Richland, county of Baker, State of Oregon, has this day filed in this office his sworn statement No. 784, for the purchase of the E 1/2 of NW 1/4 and E 1/2 of SW 1/4 of section No. 38, in twp No. 10 S, range No. 38, E. W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this at La Grande, Oregon, on Friday, the 23 day of August, 1901.

He names as witness: Elmer Lockhart, Guy Lockhart, Mark Hendrix, Thomas B. Taylor, all of McEwen, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 23 day of August, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, May 17, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land states by act of August 4, 1892.

FREDERICK WHITE, of Sumpter, county of Baker, state of Oregon, has this day filed in this office his sworn statement No. 740, for the purchase of the w 1/2 sw 1/4 sec 14, nw 1/4 of section No. 21, in township No. 10 south, range No. 36 E. W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the register and receiver of this office at La Grande, Oregon, on Monday the 5th day of August, 1901.

He names as witnesses: S. M. Smack, W. O. Tioletson, Patrick Hughes, H. D. Meyers, all of Sumpter, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 5th day of August, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, May 17, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the Public Land states by act of August 4, 1892.

ALETTA WHITE, of Baker City, county of Baker, state of Oregon, has this day filed in this office her sworn statement No. 750, for the purchase of the w 1/2 nw 1/4 of section No. 22, in township No. 10 south, range No. 36 E. W. M., and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish her claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Monday, the 5th day of August, 1901.

He names as witnesses: S. M. Smack, W. O. Tioletson, Patrick Hughes, H. D. Meyers, all of Sumpter, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 5th day of August, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, —1878. NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 24, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

JOHN H. DORSEY of Baker City, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 868, for the purchase of the ne 1/4 of section No. 22 in tp No. 10 S, r No 36 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Friday, the 13th day of Sept., 1901.

He names as witnesses: Frederick White, of Sumpter, Or., Ernest Caden, of Sumpter, Or., August Caden, of Sumpter, Or., Wm. Rafferty, of Whitney, Or. Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 13th day of Sept., 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 17, 1901.

Notice is hereby given that in compliance with the provisions of the act of congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

LEROY H. TIBBALS, of Baker City, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 803, for the purchase of the s 1/2 ne 1-4 & n 1/2 se 1-4 of section No. 30 in township No. 7 S, range No. 38 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Wednesday, the 4th day of September, 1901.

He names as witnesses: Harvey G. Edmundson, William L. Smith, M. L. Olmsted, O. L. Miller, all of Baker City, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 4th day of September, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 17, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada, and Washington Territory," as extended to all the public land states by act of August 4, 1892.

HARVEY G EDMUNDSON, of Baker City, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 804, for the purchase of the e 1/2 nw 1-4, sw 1/4 nw 1-4, nw 1-4 sw 1-4 of section No. 20 in Township No. 7 S range No. 38 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Wednesday, the 4th day of September, 1901.

He names as witnesses: Leroy H. Tibbals, William L. Smith, M. L. Olmsted, O. L. Miller, all of Baker City, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 4th day of September, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 17, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the states of California, Oregon, Nevada and Washington Territory," as extended to all the public land states by act of August 4, 1892.

WILLIAM L. SMITH, of Baker City, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 805, for the purchase of the ne 1-4 sw 1-4, w 1/2 se 1-4 & se 1-4 se 1-4 of section No. 20, in township No. 7 S range No. 38 E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Wednesday, the 4th day of September, 1901.

He names as witnesses: Harvey G. Edmundson, Leroy H. Tibbals, M. L. Olmsted, O. L. Miller, all of Baker City, Oregon.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 4th day of September 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, June 12, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

CATHERINE CORNELL, of Baker City, county of Baker, State of Oregon, has this day filed in this office his sworn statement No. 700, for the purchase of the sw 1/4 of Section No. 25 in Township No. 10 S., Range No. 36, E W M, and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Ore., on Friday, the 23 day of August, 1901.

He names as witnesses: Frederick White, of Sumpter, Or., Aletha White, of Baker City, Or., Wm. H. Pool, of Whitney, Or., W. H. Rafferty, of Whitney, Or.

Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 23 day of August, 1901. E. W. BARTLETT, Register.

TIMBER LAND, ACT JUNE 3, 1878.—NOTICE FOR PUBLICATION.

United States Land Office, La Grande, Oregon, July 9, 1901.

Notice is hereby given that in compliance with the provisions of the act of Congress of June 3, 1878, entitled "An act for the sale of timber lands in the States of California, Oregon, Nevada, and Washington Territory," as extended to all the Public Land States by act of August 4, 1892.

JOHN CALHOUN, of McEwen, County of Baker, State of Oregon, has this day filed in this office his sworn statement No. 856, for the purchase of the sw 1/4 sw 1/4 sec 28, w 1/2 nw 1/4, nw 1/4 sw 1/4 of section No. 31 in township No. 10 S, range No. 38, E W M and will offer proof to show that the land sought is more valuable for its timber or stone than for agricultural purposes, and to establish his claim to said land before the Register and Receiver of this office at La Grande, Oregon, on Thursday, the 6th day of September, 1901.

He names as witnesses: George F. Gardner, of Baker City, Ore., Lewis Gardner, Elmer Taylor, Robert Duvall, of McEwen, Ore. Any and all persons claiming adversely the above described lands are requested to file their claims in this office on or before said 6th day of September, 1901. E. W. BARTLETT, Register.

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Table with columns: DEPART, TIME SCHEDULES From Baker City, ARRIVE. Includes routes to Chicago, Portland, Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago and East. Also includes Ocean and River Schedule FROM PORTLAND with sailing dates and destinations like Astoria, Newberg, Corvallis, Yamhill, Snake River.