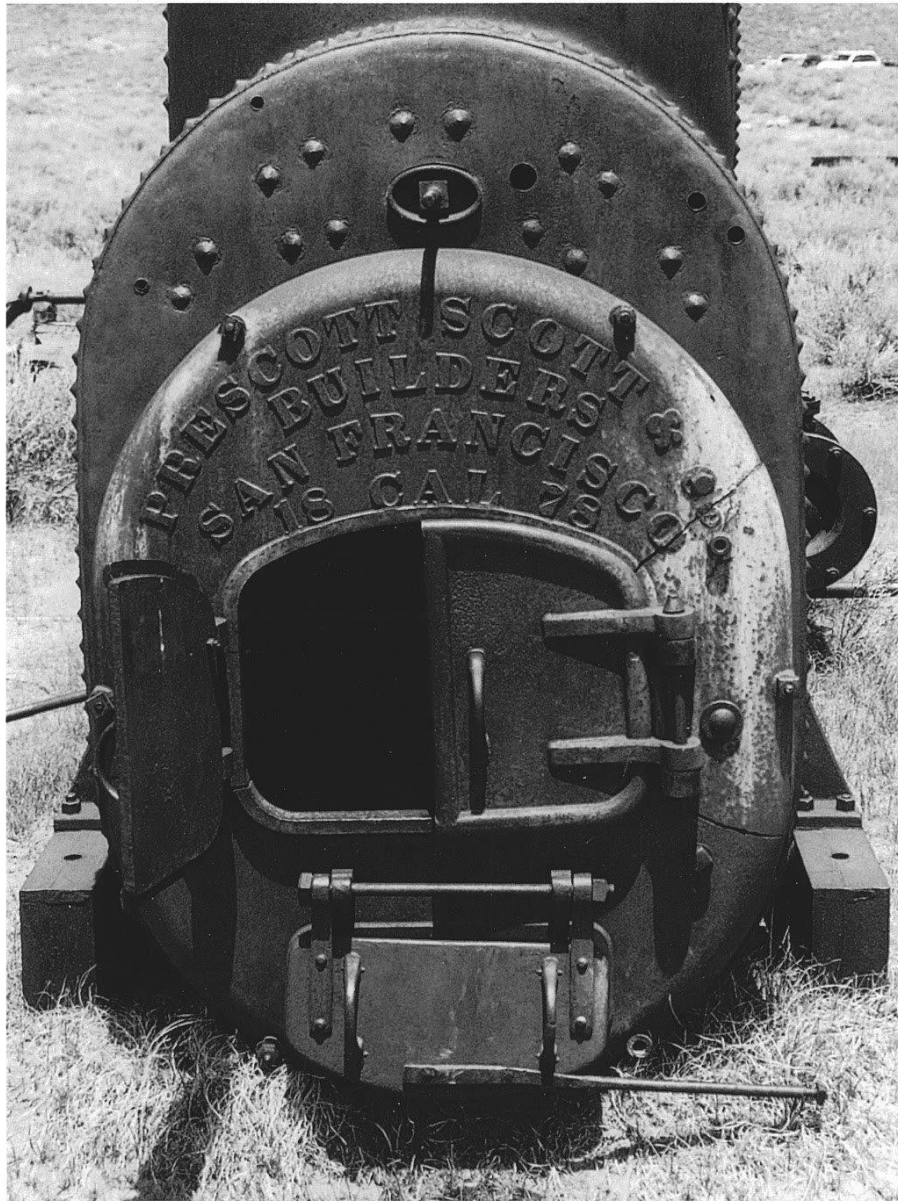




THE MINING HISTORY JOURNAL



The Twenty-Seventh Annual Journal of
The Mining History Association

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The *Mining History Journal* is provided to all members of the Association. Membership is open to anyone interested in the history of mining and metallurgy. Information or applications for membership may be obtained from Rebecca Lange, Mining History Association, P.O. Box 6356, Boise, ID 83707; or at www.mininghistoryassociation.org. Members receive quarterly newsletters and the journal.

The journal welcomes manuscripts on any subject in mining and metallurgical history in any era or region. Manuscripts, books for review, announcements, inquiries regarding advertising or the purchase of back issues of the journal, and other correspondence related to the journal should be sent to: Mining History Journal; Department of History and Anthropology, MS2960; Southeast Missouri State University; Cape Girardeau, MO 63701, or to: eclements@semo.edu.

Manuscripts should be submitted typed, double-spaced, and with endnotes. The journal only accepts manuscripts via e-mail or on CD or DVD and Microsoft WORD format is required. All articles are required to follow the style formats specified in the *Chicago Manual of Style*, 17th edition.

Illustrations should not be embedded in the article, but their approximate locations should be indicated in the text and captions provided. Submit illustrations as separate files scanned as TIFF or jpeg at a minimum of 5 x 7 inches and 300dpi. Photos copied from websites will not be used. Authors are responsible for obtaining copyright and use permissions for all illustrations and for paying any associated fees.

The Editorial Board of the *Mining History Journal* presents the annual John M. Townley Award to the author of the best article in that year's journal. Criteria for the Townley award include: the significance of the topic to mining history; the originality, quality, and depth of research; literary quality; and the quality of accompanying illustrations.

Articles appearing in this journal are abstracted and indexed in HISTORICAL ABSTRACTS and AMERICA: HISTORY AND LIFE.

Contents © 2020 by *The Mining History Journal*. ISSN 2688-5891 (print); ISSN 2688-5905 (online).

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Front Cover: The face of the upright boiler of a steam engine built by San Francisco's Union Iron Works in 1878 photographed rusting in the sun at Bodie, California, 122 years later. Langley's San Francisco Directory for 1878 contains the entry: "PRESCOTT, SCOTT & CO. (George W. Prescott, Irving M. Scott, and Henry T. Scott), proptrs Union Iron Works, NE cor First and Mission" [sic]. According to Langley, that year Union Iron Works was one of one of fifteen foundries and iron works in the city that employed among them 1,500 men who converted 27,000 tons of pig and bar iron into products valued at \$3 million. While San Francisco certainly supported mining, mining certainly supported San Francisco.

Back Cover: The remains of a freight wagon, of a type used to haul ore, at Bodie, California. Bodie's survival and development depended largely upon the services of many such vehicles and the teamsters who drove them, since the town of several thousand inhabitants never had a railroad beyond a lumber line to nearby Mono Lake.