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FRANKLIN K. LANE, Secretary

UNITED STATES GEOLOGICAL SURVEY

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# MINERAL RESOURCES OF ALASKA

REPORT ON PROGRESS OF  
INVESTIGATIONS IN

1917

BY

G. C. MARTIN AND OTHERS

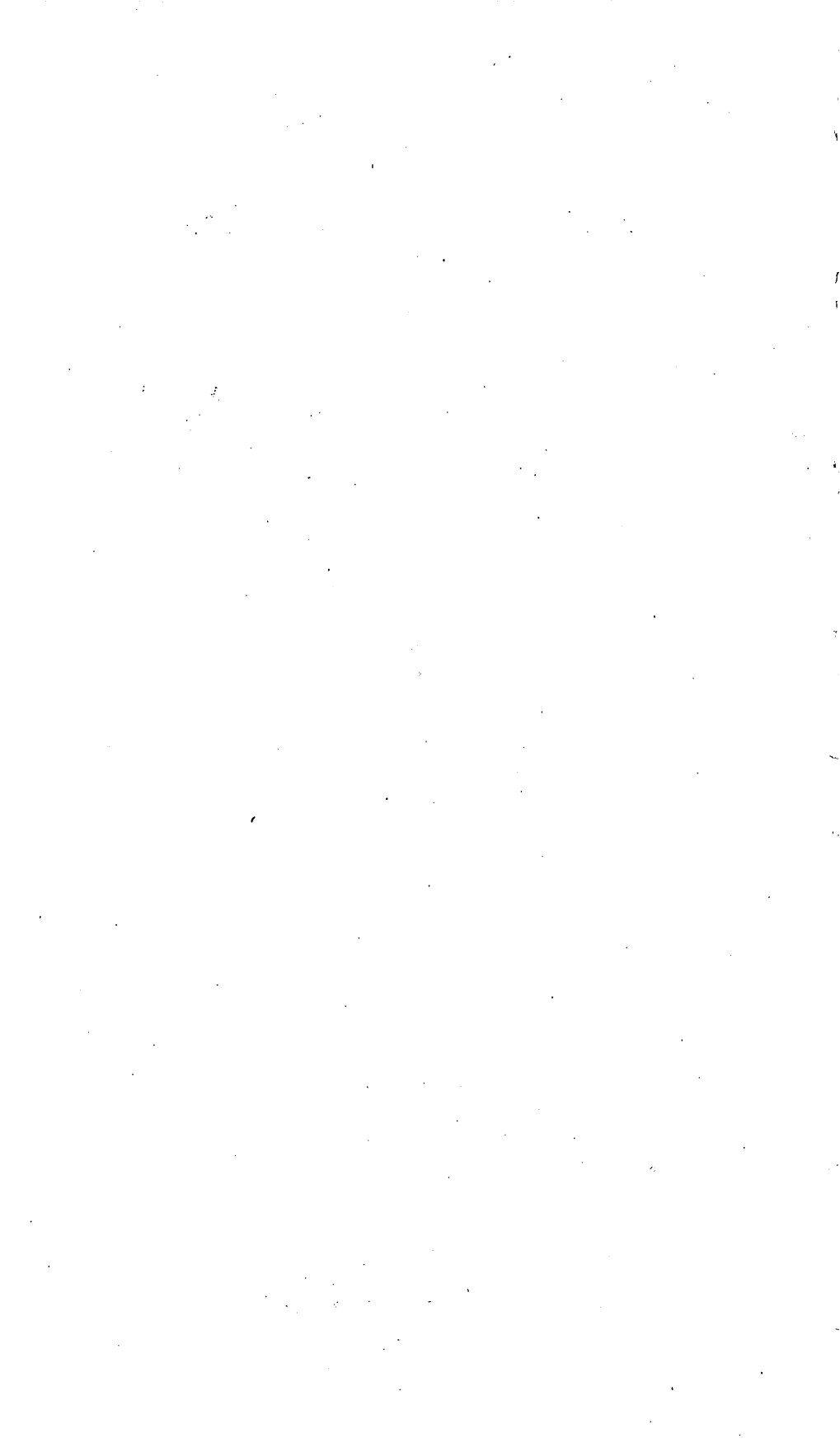


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# MINERAL RESOURCES OF ALASKA, 1917.

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By G. C. MARTIN and others.

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## PREFACE.

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By G. C. MARTIN.

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This volume is the fourteenth of a series of annual bulletins<sup>1</sup> treating of the mining industry of Alaska and summarizing the results achieved during the year in the investigation of the mineral resources of the Territory. These reports are intended to give prompt publication of the more valuable economic results of the year. The time available for their preparation does not permit full office study of the field notes and specimens, and some of the statements made here may be subject to modification when the study has been completed. Those interested in any particular district should therefore procure a copy of the complete report on that district as soon as it is available.

This volume, like the others of the series, contains an account of the mining industry, including statistics of mineral production, and also preliminary statements on investigations made by the Geological Survey. It is intended that this series of reports shall serve as convenient reference works on the mining industry for the years which they cover. It is not possible for a member of the Survey to visit every mining district each year, and therefore the information used in preparing the summary on mining development is in part obtained from other reliable sources.

Again, as for many years in the past, the Geological Survey is under great obligation to residents of the Territory for statistical data. Those who have thus aided include the many mine operators who have made reports on production as well as developments. There are still some Alaskan mineral producers who fail to respond to requests for information, but many prospectors, Federal officials,

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<sup>1</sup> The preceding volumes in this series are U. S. Geol. Survey Bulls. 259, 284, 314, 345, 379, 442, 480, 520, 542, 592, 622, 642, and 662.

engineers, and officers of transportation and commercial companies have contributed valuable data. It is impracticable to enumerate all who have aided in this work, but it should be stated that without the assistance of these public-spirited citizens it would be impossible to prepare this report. Special acknowledgments should be made to the Director and other officers of the Mint; the officers of the Alaska customs service; Wells, Fargo & Co.; the members and officers of the Alaskan Engineering Commission; the Alaska Mexican Gold Mining Co., Alaska United Gold Mining Co., and Alaska Treadwell Gold Mining Co., of Treadwell; B. L. Thane, of Juneau; G. H. Miller, of Skagway; George M. Esterly, of Nizina; James J. Godfrey, of McCarthy; Stephen Birch, of Kennicott; John E. Hughes, of Valdez; John Ronan, of Seward; William K. McLennan, of Chisana; J. A. Kemp, of Steel Creek; Jos. Danker, of Chicken; U. G. Myers, of Eagle; Frank A. Reynolds, of Circle; First National Bank, American Bank of Alaska, Tanana Valley Railroad, A. Bruning, J. A. Fairborn, George Hutchinson, Falcon Joslin, Alex Mitchell, and R. C. Wood, of Fairbanks; Frank Hagel, of Berry; J. C. Felix, of Nenana; George L. Morrison and S. S. Rowell, of Hot Springs; A. Bock and Joseph Heller, of Tofty; George W. Ledger, of Rampart; W. H. Carney, of Tanana; Frank Cook, of Ruby; C. P. Wood and Miners & Merchants Bank, of Iditarod; Harry Fothergill, of Ophir; Harry Maclison, of Tolstoi; George W. Pilcher, of Fortuna Ledge; Henry Howard, of Aniak; W. F. Green, of Tokotna; William Loisell and A. Stecker, of Quinhagak; R. W. J. Reed, of Nome; John D. Flannigan, of Council; Lars Gunderson, of Haycock; and Lewis Lloyd, of Shungnak.