

**IRRIGATION IN
UTAH: A
DISSERTATION**

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Irrigation in Utah: A Dissertation by Charles Hillman Brough

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CHARLES HILLMAN BROUGH

**IRRIGATION IN
UTAH: A
DISSERTATION**

IRRIGATION IN UTAH

BY

CHARLES HILLMAN BROUGH

Fellow in Economics, Johns Hopkins University

A DISSERTATION PRESENTED TO THE BOARD OF UNIVERSITY
STUDIES OF THE JOHNS HOPKINS UNIVERSITY FOR
THE DEGREE OF DOCTOR OF PHILOSOPHY

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THE FURROW METHOD OF IRRIGATION.

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HISTORICAL AND POLITICAL SCIENCE
HERBERT B. ADAMS, *Editor*

History is past Politics and Politics are present History.—*Freeman*

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TO

HONORABLE FRANK J. CANNON

UNITED STATES SENATOR FROM UTAH

THIS VOLUME IS DEDICATED IN RECOGNITION OF HIS DISTINGUISHED
SERVICES IN THE INTEREST OF IRRIGATION.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data security and privacy. It stresses the importance of implementing robust security measures to protect sensitive information from unauthorized access and breaches.

5. The fifth part of the document explores the ethical implications of data collection and analysis. It discusses the need for transparency in data practices and the importance of obtaining informed consent from individuals whose data is being collected.

6. The sixth part of the document provides a detailed overview of the data analysis process, from data cleaning and preprocessing to the application of statistical models and machine learning algorithms.

7. The seventh part of the document discusses the importance of interpreting the results of data analysis in the context of the organization's goals and objectives. It emphasizes the need for clear communication of findings to decision-makers.

8. The eighth part of the document concludes by summarizing the key points discussed and highlighting the overall importance of data-driven decision-making in the modern business environment.

PREFACE.

A study of irrigation as practiced in Utah should prove of more than local interest: (1) Because Utah is the geographical centre of the Arid Region and what has been done there is a fair test of average possibilities. (2) Because both the co-operative and capitalistic methods have been applied in the reclamation of arid land in Utah, and an opportunity is afforded for comparing the results of the two methods. (3) Because problems applicable to the Arid Region as a whole are considered and their solution is attempted.

Of these problems the most important are the cession of the lands now in the hands of the United States Government to the States and Territories in which they are situated, the formulation of a plan by which lands already ceded to the States and Territories may be reclaimed, and the question of state control of water.

The most important general sources on which this study is based are: (1) Manuscript historical records of the Mormon Church, found in the church library at Salt Lake City, Utah. (2) Files of Utah newspapers, including the Deseret News, the Salt Lake Tribune and Herald, and the Ogden Standard. (3) Works on irrigation as practiced in foreign countries, found in the library of the Geological Survey, Washington, D. C. (4) Files of the Irrigation Age, Industrial Reporter, and other irrigation journals. (5) Reports of the proceedings of irrigation congresses and conventions, reports of state engineers, bulletins of agricultural