

A MANUAL  
OF  
LAND SURVEYING

CONTAINING  
AN ELEMENTARY COURSE OF PRACTICE  
WITH INSTRUMENTS

AND A TREATISE UPON THE

Survey of Public and Private Lands,

BY HENRY B. HODGMAN.

*For use at Schools and Surveys.*

BY H. B. HODGMAN, M. E., C. E.,

Professor, Surveying and Engineering.

"Let things that have the the least the least be done by doing them."

THE H. B. HODGMAN CO.,  
NEW YORK, N. Y.  
1907.

# Land Surveying Manual

**F. (Francis) Hodgman**



## Land Surveying Manual:

**A Manual of Land Surveying** Charles Fitzroy Bellows, Francis Hodgman, 1886      *A Manual of Land Surveying* F. Hodgman, 1913      *Manual of Surveying Instructions for the Survey of the Public Lands of the United States*, 2009, 2010

**Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims** United States. Bureau of Land Management, 1894      *Manual of Land Surveying* Murray David, 1901      *Manual of Surveying Instructions*, 2009      *A Manual of Land Surveying* F. Hodgman, 2017-11-20 Excerpt from A Manual of Land Surveying Comprising an Elementary Course of Practice With Instruments and a Treatise Upon the Survey of Public and Private Lands Prepared for Use of Schools and Surveyors This addition to the already numerous treatises on land surveying was caused by the demand of the surveyors of Michigan for a treatise which would deal with the practical questions which meet the surveyor in his every day work in the field Several admirable treatises were already in existence which dealt amply with the mathematical and instrumental part of surveying But the perplexing questions which meet the surveyor are not questions of mathematical calculation or of the use of instruments On the contrary they are for the most part About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at [www.forgottenbooks.com](http://www.forgottenbooks.com) This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works      *Manual of Surveying Instructions* United States. Bureau of Land Management. Wyoming State Office. Cadastral Survey, 2009      **Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims** United States Bureau Management, 2013-09 This historic book may have numerous typos and missing text Purchasers can usually download a free scanned copy of the original book without typos from the publisher Not indexed Not illustrated 1894 edition Excerpt exactness the moment when the observation should be made Stormy weather a hazy atmosphere or the presence of clouds may interfere with or entirely prevent observation when the star is either at elongation or on the meridian and both events sometimes occur in broad daylight or at an inconvenient hour of the night Under such circumstances a simple method applicable at any time Polaris being visible may be acceptable and can often be used by the surveyor when other methods fail DETERMINATION OF THE AZIMUTH OF POLARIS AND TRUE MERIDIAN AT ANY HOUR THE STAR BEING VISIBLE AND THE CORRECT LOCAL MEAN TIME BEING KNOWN Many years ago a table was published giving azimuths of Polaris at stated times during one year but as it was arranged for a kind of time with which surveyors are generally unacquainted and was explained in unfamiliar astronomical terms and required the use of tables and data not always accessible it met with little favor and never came into general use In this article it is proposed to simplify the

work omit all technicalities requiring a knowledge of astronomy and present the method with two new and compact tables adapted to common clock time with such plain directions for use that any person of ordinary intelligence can understand and apply them As the surveyor should have a perfectly clear idea of what is meant by Astronomical Time used to simplify computations and the Hour Angle of Polaris these terms will now be explained The Civil Day according to the customs of society commences at midnight and comprises twenty four hours from one midnight to the next following The hours are counted from 0 to 12 from midnight to noon after which they are again reckoned from 0 to 12 from noon to midnight

A Manual of Land Surveying: Comprising an Elementary Course of Practice with Instruments and a Treatise Upon the Survey of Public and Private Land Francis Hodgman,2017-08-19

**Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims** U. S. Bureau Of Land Management,2017-10-12 Excerpt from Manual of Surveying Instructions for the Survey of the Public Lands of the United States and Private Land Claims June 30 1894 The following instructions including full and minute directions for the execution of surveys in the field are issued under the authority given me by sections 453 456 and 2398 United States Revised Statutes and must be strictly complied with by yourselves your office assistants and deputy surveyors All directions in conflict with these instructions are hereby abrogated In all official communications this edition will be known and referred to as the Manual of 1894 About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at [www.forgottenbooks.com](http://www.forgottenbooks.com) This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

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