INDUSTRIAL DRAWING: COMPRISING THE DESCRIPTION & USES OF DRAWING INSTRUMENTS, THE CONSTRUCTION OF PLANE FIGURES. MECHANICAL AND TOPOGRAPHICAL DRAWING. FOR THE USE OF HIGH SCHOOLS, ACADEMIES, AND SCIENTIFIC SCHOOLS

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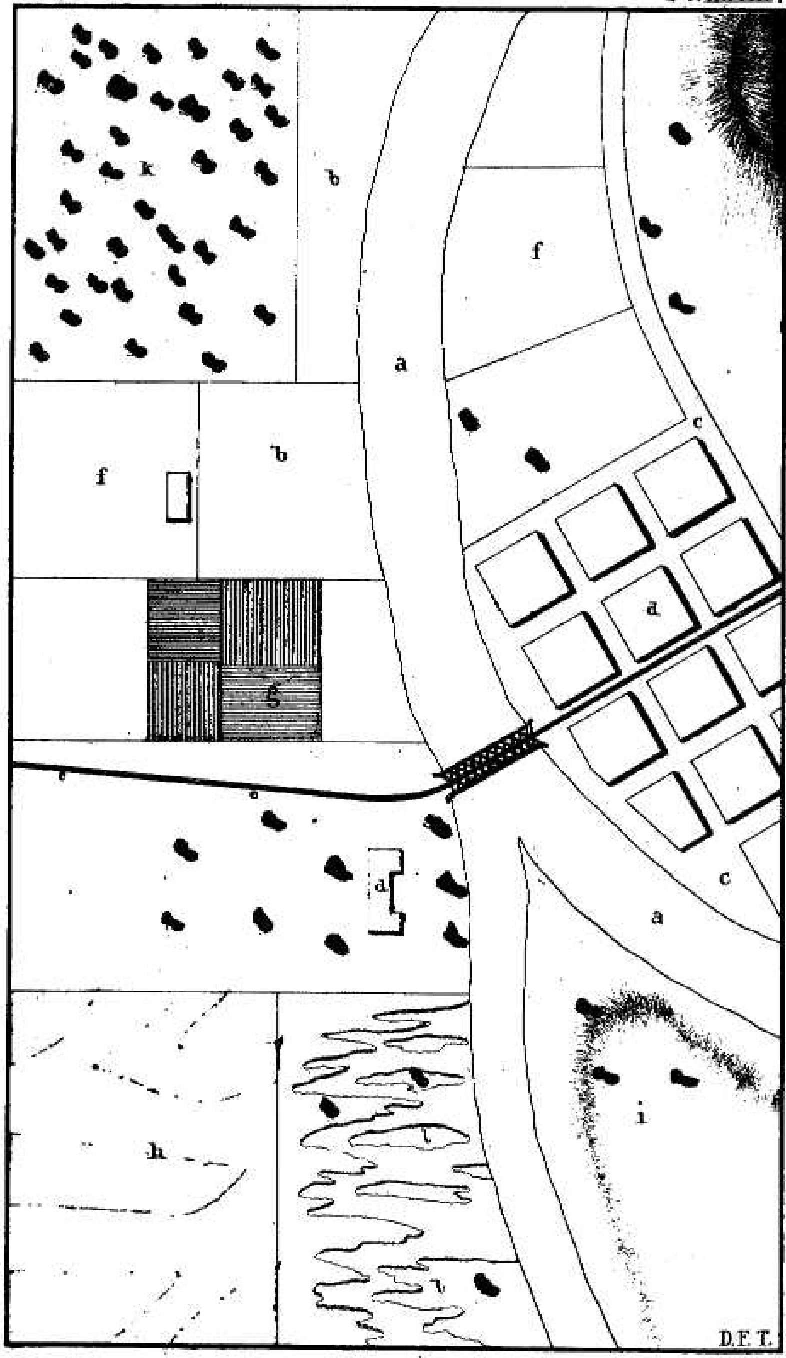

INDUSTRIAL DRAWING:

COMPRISING

THE DESCRIPTION AND USES

OF

DRAWING INSTRUMENTS,

THE CONSTRUCTION OF PLANE FIGURES,

TINTING,

THE PROJECTIONS AND SECTIONS OF GEOMETRICAL SOLIDS, SHADOWS, SHADING, ISOMETRICAL DRAWING, OBLIQUE PROJECTION, PERSPECTIVE, ARCHITECTURAL ELEMENTS,

MECHANICAL AND TOPOGRAPHICAL DRAWING.

FOR THE USE OF HIGH SCHOOLS, ACADEMIES, AND SCIENTIFIC SCHOOLS.

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PREFACE.

THIS revised edition has been enlarged by the addition of the chapters on Tinting, Shadows, Shading, Isometrical Drawing, Oblique Projection, and Perspective. The chapters on Drawing Instruments and their Uses have been rewritten and much new matter added; while some changes and additions have been made in the chapters on Projections and Topography.

It is hoped that by these changes the book will prove more useful in the class-room, or as a guide for self-instruction.

The cuts of Drawing Instruments used in this work, marked *K. & E.* in the table of contents, have been kindly furnished by Keuffel & Esser, No. 111 Fulton St., New York.

D. F. T.

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CHAPTER I.

DRAWING INSTRUMENTS AND MATERIALS.

CHAPTER II.

USE AND CARE OF INSTRUMENTS.

CHAPTER III.

CONSTRUCTION OF PROBLEMS OF POINTS AND STRAIGHT LINES.

Construction of Arcs of Circles, Straight Lines and Points.