Tucholsky Turgenev	Wagner Wallace	Zola	Scott Sydow Fonatne		Schlegel
Twair	Web	von der Vogelwe er	ide Fouqué Freiligr Kant		h II. von Preußen Frey
Fechner Fichte	Weiße Rose	von Fallersleber	n Hölder	Richtl	nofen Frommel
Fehrs	Engels Faber	Fielding Flaubert	Eichendorn	Tacitus	Dumas Ebner Eschenbach
Feuerbach		^{n Habsburg} Fock Ewald	Enot	Zweig	Vergil London
Mendelssohn	Balzac Sh	akespeare	sabeth von Österreid	Dostojews	
Trackl Mommsen Tho	Stevenson	Tolstoi	Rathenau Hambruc Lenz		Gjellerup ste-Hülshoff
Dach Karrillon	Verne Reuter	von Arnim Rousseau	Tv1-	lauff	Humboldt
	Garschii Damaschke	Defoe Descartes	Hebbel	Hauptmann Baude	Gautier
Wolfram von Eschen Bronner Campe	bach Darwin Horváth	Dick Melville	Grimm	Jerome Rilk	Kussmaul Herder e George Bebel _{Proust}
Bismarck		Barla engenbach	Heine		Herodot
Brentano Strachwitz	sanova Chamberlain Claudius tharina II. von	Lessing I Schiller		e Kralik Iffland	er Georgy phius ¹ Sokrates Tschechow
Roth	se Hoffmann Teym Hofman Heyse Klo	pstock Klee	Hölty Morg	Wilde enstern Kleist	Vulpius Gleim Goedicke
Luxemburg Machiave			Horaz egaard ^{Kraft}	Mörike _{Kraus}	Musil
Navarra Aurel Nestroy Ma	Musset arie de France		nd Kirchhoff	Hugo	Moltke
Nietzsc von Ossiet	Marx	sen Lassalle Go	Rictt	Liebkned Leibniz	cht Ringelnatz
Petalozz: F Sachs	,	vom Stein I. Michelangelo	.awrence Liebermann	Knigge Kock	Irving Kafka
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Mechanical Drawing Self-Taught

Joshua Rose

Imprint

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PREFACE.

The object of this book is to enable the beginner to learn to make simple mechanical drawings without the aid of an instructor, and to create an interest in the subject by giving examples such as the machinist meets with in his every-day workshop practice. The plan of representing in many examples the pencil lines, and numbering the order in which they are marked, the author believes to possess great advantages for the learner, since it is the producing of the pencil lines that really proves the study, the inking in being merely a curtailed repetition of the pencilling. Similarly when the drawing of a piece, such, for example, as a fully developed screw thread, is shown fully developed from end to end, even though the pencil lines were all shown, yet the process of construction will be less clear than if the process of development be shown gradually along the drawing. Thus beginning at an end of the example the first pencil lines only may be shown, and as the pencilling progresses to the right-hand, the development may progress so that at the other or left-hand end, the finished inked in and shaded thread may be shown, and between these two ends will be found a part showing each stage of development of the thread, all the lines being numbered in the order in which they were marked. This prevents a confusion of lines, and makes it more easy to follow or to copy the drawing.

[iv] It is the numerous inquiries from working machinists for a book of this kind that have led the author to its production, which he hopes and believes will meet the want thus indicated, giving to the learner a sufficiently practical knowledge of mechanical drawing to enable him to proceed further by copying such drawings as he may be able to obtain, or by the aid of some of the more expensive and elaborate books already published on the subject.

He believes that in learning mechanical drawing without the aid of an instructor the chief difficulty is overcome when the learner has become sufficiently familiar with the instruments to be enabled to use them without hesitation or difficulty, and it is to attain this end that the chapter on plotting mechanical motions and the succeeding examples have been introduced; these forming studies that are easily followed by the beginner; while sufficiently interesting to afford to the student pleasure as well as profit.

New York, February, 1883.

CONTENTS.

PREFACE

CHAPTER I

THE DRAWING BOARD.

The T square

The triangles

Curves

Selecting and testing drawing instruments

Lead pencils

Mixing India ink

The drawing paper

Tracing paper

The ink

Testing and selecting India ink

Draftsmen's measuring rules

CHAPTER II

THE PREPARATION AND USE OF THE INSTRUMENTS.

Preparing the lining pen for use

The shapes of the lining pen points

Oil stoning pen points

Preparing the circle pen for use

The shape for circle pen points

Shaping circle pens for very small circles

A form of pen point recently introduced; forming the pen point

The method of oil-stoning circle pen points

The needle point and pen point

How to use the circle pen

German instrument to avoid slipping of a needle point

How to use the lining pen

Applying the ink to the bow-pen

Using a straight line or lining pen with a T square

CHAPTER III

LINES AND CURVES.

Explanation of simple geometrical terms; radius; explanation of conventional dotted lines

A line at a right angle to another; a point; parallel lines

A line produced; a line bisected; a line bounding a circle; an arc of a circle; segments of a circle; the chord of an arc; a quadrant of a circle

A sector of a circle; a line tangent to a circle; a semicircle; centre of a circle; axis of a cylinder; to draw a circle that shall pass through three given points

To find the centre from which an arc of a circle has been struck; the degrees of a circle

The protractor

To find the angle of one line to another

To find the angles of three lines one to the other

Acute angles and obtuse angles

Triangles; right angle triangle; obtuse angle triangle; equilateral triangle; isosceles triangle

Scalene triangle; a quadrangle; quadrilateral or tetragon

Rhomboid; trapezoid; trapezium

The construction of polygons

The names of regular polygons

The angles of regular polygons; the ellipse

Form of a true ellipse

The use of a trammel for drawing an ellipse

To draw a parabola mechanically

To draw a parabola by lines

To draw a heart cam

CHAPTER IV

SHADOW LINES AND LINE-SHADING.

Section lining or cross-hatching

To represent cylindrical pieces one within the other; to represent a number of pieces one within the other

To represent pieces put together and having slots or keyways through them.

Effects of shading or cross-hatching

Lines in sectional shading or cross-hatching made to denote the material of which the piece is composed—lead, wood, steel, brass, wrought iron, cast iron

Line-shading

The shade line to indicate the shape of piece; representation of a washer

A key drawn with a shade line; shade line applied to a nut; a German pen regulated to draw lines of various breadths

Example of line-shading in perspective drawing, shown in a pipe threading stock and die

A cylindrical pin line-shaded; two cylindrical pieces that join each other; a lathe centre; a piece having a curved outline

Line-shading applied to a ball or sphere; applied to a pin in a socket shown in section

A piece of tube, where the thickness of the tube is shown; where the hollow or hole is seen, the piece shown in section; where the body is bell-mouthed and the hollow curve shown by shading

Example of line-shading to denote the relative distances of various surfaces from the eye

Line-shading to denote that the piece represented is of wood; shadelines being regular or irregular

CHAPTER V

MARKING DIMENSIONS.

Examples in marking dimensions

CHAPTER VI.

THE ARRANGEMENT OF DIFFERENT VIEWS.

The different views of a mechanical drawing; elevation; plan; general view; a figure to represent a solid cylinder

To represent the different sides of a cube; the use of a cross to denote a square

A triangular piece requires two or three views

To represent a ring having hexagon cross section; examples; a rectangular piece in two views

The position of the piece when in its place determines the name of the view in the drawing

View of a lever

Best method of projecting one view from another; the two systems of different views of a piece

CHAPTER VII

EXAMPLES IN BOLTS, NUTS AND POLYGONS.

To represent the thread of a small screw

A bolt with a hexagon head

United States standard sizes for forged or unfinished bolts and nuts

The basis of the Franklin Institute or United States standard for bolts and nuts; hexagonal or hexagon heads of bolt

Comparison of hexagon and square heads of bolts; chamfers

Without chamfer; best plan for view of both square and hexagon heads

Drawing different views of hexagon heads

To draw a square-headed bolt; to draw the end view of a hexagon head

Use of the triangle to divide circles

Scales giving the length of the sides of polygons

To find what a square body which measures one inch on each side measures across the corners; to find what diameter a cylindrical piece of wood must be turned to which is to be squared, and each side of which square must measure an inch

To find a radius across corners of a hexagon or a six sided figure, the length of a side being an inch

To draw a stud

To pencil in a cap nut; pencilling for a link having the hubs on one side only

Link with hubs on both sides; pencil lines for a double eye or a knuckle joint

Double eye or knuckle joint with an offset; a connecting rod end

A rod end with a round stem

A bolt with a square under the head

Example in which the corner where the round stem meets the square

under the head is sharp; a centre punch giving an example in which the flat sides gradually run out upon a circle, the edges forming curves

CHAPTER VIII

SCREW THREADS AND SPIRALS.

Screw threads for small bolts with the angles of the thread drawn in, and the method of doing this

A double thread; a round top and bottom thread such as the Whitworth thread; a left hand thread; to draw screw threads of a large diameter

Drawing the curves for screw threads

To draw the United States standard thread

To draw a square thread

Form of template for drawing the curves of threads

To show the thread depth in a top or end view of a nut; to draw a spiral spring

To obtain an accurate division of the lines that divide the pitch