

The Project Gutenberg eBook of Letters & Lettering: A Treatise with 200 Examples

This ebook is for the use of anyone anywhere in the United States and most other parts of the world at no cost and with almost no restrictions whatsoever. You may copy it, give it away or re-use it under the terms of the Project Gutenberg License included with this ebook or online at www.gutenberg.org. If you are not located in the United States, you'll have to check the laws of the country where you are located before using this eBook.

Title: Letters & Lettering: A Treatise with 200 Examples

Author: Frank Chouteau Brown

Release date: February 16, 2007 [eBook #20590]

Language: English

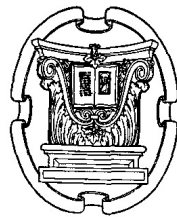
Credits: Produced by David Newman, Chuck Greif, Keith Edkins and
the Online Distributed Proofreading Team at
<http://www.pgdp.net>

*** START OF THE PROJECT GUTENBERG EBOOK LETTERS & LETTERING: A TREATISE WITH
200 EXAMPLES ***

LETTERS & LETTERING

A TREATISE WITH 200 EXAMPLES

FRANK CHOUTEAU BROWN



BOSTON

BATES & GUILD COMPANY

MCMXXI

Copyright, 1921, by
BATES & GUILD COMPANY

Printed by
PERRY & ELLIOTT CO
LYNN BOSTON

Printed in the U. S. A.

NOTE

This book is intended for those who have felt the need of a varied collection of alphabets of standard forms, arranged for convenient use.

The alphabets illustrated, while primarily intended to exhibit the letter shapes, have in most cases been so arranged as to show also how the letters compose into words, except in those instances where they are intended to be used only as initials. The application of classic and medieval letters to modern usages has been, as far as possible, suggested by showing modern designs in which similar forms are employed.

In view of the practical aim of this treatise it has been deemed advisable to include a larger number of illustrative examples rather than to devote space to the historical evolution of the

letter forms.

To the artists, American and European, who have so kindly furnished him with drawings of their characteristic letters—and without whose cordial assistance this book would hardly have been possible—to the master-printers who have allowed him to show types specially designed for them, and to the publishers who have given him permission to borrow from their books and magazines, the author wishes to express his sincere obligations.

F. C. B.

LIST OF ILLUSTRATIONS

- 1 AND 2 ALPHABET AFTER SEBASTIAN SERLIO (1473-1554). Reconstructed by Albert R. Ross.
- 3 WIDTH PROPORTIONS OF MODERN ROMAN CAPITALS. F. C. B.
- 4 DRAWING FOR INCISED ROMAN CAPITALS. For cutting in granite. Letter forms based upon those shown in figures 1 and 2. F. C. B.
- 5 PHOTOGRAPH OF INCISED ROMAN CAPITALS. Cut in granite from drawing shown in figure 4
- 6 INCISED ROMAN CAPITALS. From the Arch of Constantine, Rome. 315 A.D. From a photograph
- 7 MODEL FOR INCISED ROMAN CAPITALS. Used for inscriptions cut in granite on Boston Public Library. McKim, Mead & White, Architects. Photographed from a cast
- 8 ROMAN INCISED CAPITALS. From fragments in marble. National Museum, Naples. Rubbing
- 9 ROMAN INCISED INSCRIPTION. Museo Civico, Bologna. From a photograph
- 10 ROMAN INCISED INSCRIPTION. Museo Civico, Bologna. From a photograph
- 11 DETAIL FROM A ROMAN INCISED INSCRIPTION. Showing composition. Redrawn from a rubbing. F. C. B.
- 12 "RUSTIC" ROMAN CAPITALS. Of pen forms, but cut in stone. Redrawn from a rubbing. From fragment in the National Museum, Naples. F. C. B.
- 13 ROMAN CAPITALS FROM FRAGMENTS OF INSCRIPTIONS. Showing various characteristic letter forms. Redrawn from rubbings. F. C. B.
- 14 MODERN ROMAN INCISED CAPITALS. Executed in sandstone. From the Harvard Architectural Building, Cambridge, Mass. McKim, Mead & White, Architects
- 15 LETTERS SHOWN IN ALPHABET 1 AND 2, IN COMPOSITION. By Albert R. Ross
- 16 and 17 CLASSIC ROMAN CAPITALS. Cut in marble. Redrawn from rubbings made in the Forum, Rome. F. C. B.-21
- 18 and 19 CLASSIC ROMAN CAPITALS. Late period. Cut in marble. Redrawn from rubbings. F. C. B.
- 20 PORTION OF ROMAN INSCRIPTION. With supplied letters. Redrawn from a rubbing. F. C. B.
- 21 CLASSIC ROMAN INSCRIPTION. Incised in marble. Redrawn from a rubbing. F. C. B.
- 22 CLASSIC ROMAN INSCRIPTION. In stone. Redrawn from a rubbing. F. C. B.
- 23 ITALIAN RENAISSANCE INSCRIPTION. Square-sunk in marble. From a photograph of a mortuary slab
- 24 ITALIAN RENAISSANCE MEDAL. By Vittore Pisano. 15th Century. From a photograph
- 25 MODERN FRENCH MEDAL. By Oscar Roty. From a photograph of the original in the Luxembourg, Paris
- 26 CAPITALS ADAPTED FROM RENAISSANCE MEDALS. F. C. B.
- 27 SPANISH RENAISSANCE ALPHABET. By Juan de Yciar. From "Arte por la qual se enseña a escrever perfectamente." (Saragossa, 1550)
- 28 RENAISSANCE INLAID MEDALLION. From a floor-slab in Santa Croce, Florence. Redrawn from a rubbing. F. C. B.
- 29 ITALIAN RENAISSANCE CAPITALS. From an inlaid floor-slab in Santa Croce, Florence. (Compare figure 28.) Redrawn from a rubbing. F. C. B.
- 30 ITALIAN RENAISSANCE PANEL. From Raphael's tomb, Pantheon, Rome. From a photograph
- 31 ITALIAN RENAISSANCE INCISED INSCRIPTION. From the Marsuppini Tomb, Santa Croce, Florence, 1455. Rubbing
- 32 ITALIAN RENAISSANCE INCISED INSCRIPTION. From a floor-slab in Santa Croce, Florence. Early 15th Century. Rubbing
- 33 ITALIAN RENAISSANCE CAPITALS. Redrawn from inscription on the Marsuppini Tomb, Santa Croce, Florence, 1455. (Compare figure 31.) F. C. B.
- 34 ITALIAN RENAISSANCE CAPITALS. Redrawn from rubbings of inscriptions in Santa Croce, Florence.

F. C. B.

35 and 36 ITALIAN RENAISSANCE CAPITALS. By G. A. Tagliente. From 'La vera arte dello eccellente scrivere.' (Venice, 1524)

37 and 38 GERMAN RENAISSANCE CAPITALS. By Albrecht Dürer. Adapted from 'Underweyssung der messung, mit dem zirckel, ün richtscheyt, in Linien, etc.' (Nuremberg, 1525)

39 and 40 ITALIAN RENAISSANCE CAPITALS. By Sebastian Serlio. (1473-1554.) Compare figures 1 and 2

41 GERMAN RENAISSANCE CAPITALS. By Urbain Wÿss. From 'Libellus valde doctus ... scribendarum literarum genera complectens.' (Zurich, 1549)

42 ITALIAN RENAISSANCE PANEL. Above the door of the Badia, Florence. Redrawn by Claude Fayette Bragdon. From 'Minor Italian Palaces.' (Cutler Manufacturing Company, Rochester, N.Y., 1898)

43 MODERN TITLE IN ANGLO-SAXON CAPITALS. By Bertram G. Goodhue. (Compare figure 46.) From 'The Quest of Merlin.' (Small, Maynard & Co., Boston, 1891)

44 MODERN TITLE WITH CHARACTERISTICS OF 16TH CENTURY ENGLISH CAPITALS. By Walter Crane. (Compare figure 49.) From 'The Story of Don Quixote.' (John Lane, New York, 1900)

45 TITLE IN EARLY ENGLISH CAPITALS. By W. Eden Nesfield. From 'Specimens of Medieval Architecture.' (Day & Sons, London, 1862)

46 ANGLO-SAXON CAPITALS. 6TH CENTURY. From 'The Rule of St. Benedict.' Bodleian Library, Oxford

47 ANGLO-SAXON CAPITALS. 7TH CENTURY. From 'The Gospels of St. Cuthbert'

48 ANGLO-SAXON CAPITALS. EARLY 10TH CENTURY. From an Anglo-Saxon Bible

49 EARLY ENGLISH CAPITALS. 16th Century. From tomb of Henry VII, Westminster Abbey, London

50 and 51 SCHEME FOR THE CONSTRUCTION OF ROMAN SMALL LETTERS. F. C. B.

52 SPANISH ROMAN PEN DRAWN LETTERS. By Francisco Lucas. From 'Arte de Escrivirde.' (Madrid, 1577)

53 SPANISH ROMAN PEN DRAWN LETTERS. Showing use of above. By Francisco Lucas. From 'Arte de Escrivirde.' (Madrid, 1577)

54 SPANISH ITALIC PEN DRAWN LETTERS. By Francisco Lucas. From 'Arte de Escrivirde.' (Madrid, 1577)

55 SPANISH ITALIC PEN DRAWN LETTERS. Showing use of above. By Francisco Lucas. From 'Arte de Escrivirde.' (Madrid, 1577)

56 ITALIAN SMALL LETTERS. By J. F. Cresci. From 'Perfetto Scrittore.' (Rome, 1560)

57 ENGLISH 17TH CENTURY LETTERS. Incised in slate. From tombstones

58 MODERN SMALL LETTERS. After C. Hrachowina's 'Initialen Alphabete und Randleisten verschiedener Kunstepochen.' (Vienna, 1883)

59 MODERN SMALL LETTERS. By Claude Fayette Bragdon. Based on Venetian types cut by Nicholas Jenson, 1471-81

60 INSCRIPTION FROM ENGLISH 17TH CENTURY TOMBSTONE. From slate tombstone at Chippenham, England. 1691. F. C. B.

61 ROMAN AND ITALIC TYPE. Designed by William Caslon. From his Specimen Book. (London, 1734)

62 MODERN ROMAN TYPE, "MONTAIGNE." Designed by Bruce Rogers for The Riverside Press, Cambridge, Mass.

63 MODERN ROMAN TYPE, "RENNER." Designed by Theo. L. De Vinne for The De Vinne Press, New York

64 MODERN ROMAN TYPE, "MERRYMOUNT." Designed by Bertram G. Goodhue for The Merrymount Press, Boston, Mass.

65 MODERN ROMAN TYPE, "CHELTENHAM OLD STYLE." Designed by Bertram G. Goodhue for The Cheltenham Press, New York. (Owned by American Type Founders Company and Linotype Company)

66 MODERN GREEK TYPE. Designed by Selwyn Image for The Macmillan Company, London

67 MODERN ROMAN TYPE. Designed by C. R. Ashbee for a Prayerbook for the King of England

68 MODERN GERMAN CAPITALS. After lettering by J. M. Olbrich

69 MODERN GERMAN CAPITALS. By Gustave Lemmen. From 'Beispiele Kunstlerische Schrift.' (A. Schroll & Co., Vienna)

70 MODERN GERMAN CAPITALS. After lettering by Alois Ludwig

71 MODERN GERMAN CAPITALS. After lettering by Otto Eckmann

- 72 MODERN GERMAN CAPITALS. By Otto Hupp. From 'Beispiele Kunstlerische Schrift.' (A. Schroll & Co., Vienna)
- 73 MODERN GERMAN CAPITALS. By Joseph Plécnik. From 'Beispiele Kunstlerische Schrift.' (A. Schroll & Co., Vienna)
- 74 MODERN GERMAN CAPITALS. After lettering by Franz Stuck
- 75 MODERN GERMAN CAPITALS. Arranged from originals. F. C. B.
- 76 MODERN GERMAN CAPITALS. After lettering by Bernhard Pankok
- 77 MODERN FRENCH POSTER. 'La Libre Esthétique.' By Theo. van Rysselberghe
- 78 MODERN FRENCH BOOK-COVER. By M. P. Verneuil. From 'L'Animal dans la décoration.' (E. Lévy, Paris)
- 79 MODERN FRENCH LETTERS. After lettering by M. P. Verneuil
- 80 MODERN FRENCH POSTER. 'La Revue Blanche.' By P. Bonnard
- 81 MODERN FRENCH MAGAZINE COVER DESIGN. By George Auriol. From 'L'Image.' (Floury, Paris, 1897)
- 82 MODERN FRENCH CAPITALS. By Alphons M. Mucha. From 'Beispiele Kunstlerischer Schrift.' (A. Schroll & Co., Vienna)
- 83 MODERN FRENCH LETTERED PAGE IN "CURSIVE." By George Auriol. From 'Le Premier Livre des Cachets, etc.' (Librairie Centrale des Beaux-Arts, Paris, 1901)
- 84 MODERN FRENCH LETTERS, "CURSIVE." By George Auriol
- 85 MODERN FRENCH COVER DESIGN. By Eugène Grasset. From 'Art et Décoration.' (Paris)
- 86 MODERN ENGLISH CAPITALS. By Walter Crane. From 'Beispiele Kunstlerischer Schrift.' (A. Schroll & Co., Vienna)
- 87 MODERN ENGLISH THEATRICAL POSTER. By Walter Crane
- 88 MODERN ENGLISH CAPITALS. By Walter Crane. From 'Alphabets Old and New.' (B. T. Batsford, London, 1899)
- 89 MODERN ENGLISH LETTERS. By Walter Crane. From 'Beispiele Kunsterischer Schrift.' (A. Schroll & Co., Vienna)
- 90 MODERN ENGLISH TITLE. By Joseph W. Simpson. From 'The Book of Book-plates.' (Williams & Norgate, Edinburgh)
- 91 MODERN ENGLISH POSTER. By Joseph W. Simpson
- 92 MODERN ENGLISH BOOK-COVER. By William Nicholson. From 'London Types.' (R. H. Russell, New York, 1898)
- 93 MODERN ENGLISH MAGAZINE COVER. By Lewis F. Day. From 'The Art Journal.' (H. Virtue & Co., London)
- 94 MODERN ENGLISH TITLE. By Gordon Craig. From 'The Page' (The Sign of the Rose, Hackbridge, Surrey)
- 95 MODERN ENGLISH CAPITALS. By Lewis F. Day. From 'Alphabets Old and New.' (B. T. Batsford, London, 1899)
- 96 MODERN ENGLISH TITLE PAGE. By Robert Anning Bell. From 'Poems by John Keats.' (George Bell & Sons, London, 1897)
- 97 MODERN ENGLISH BOOK-COVER. By Edmund H. New. From 'The Natural History of Selborne.' (John Lane, London, 1900)
- 98 MODERN ENGLISH BOOK-COVER. By Selwyn Image. From 'Representative Painters of the 19th Century.' (Sampson, Low, Marston & Co., London, 1899)
- 99 MODERN ENGLISH CAPITALS. Anonymous. From an advertisement
- 100 MODERN ENGLISH TITLE. By Charles Ricketts. From 'Nimphidia and the Muses Elizium.' (The Vale Press, London)
- 101 MODERN AMERICAN TITLE. By Edwin A. Abbey. From 'Selections from the Poetry of Robert Herrick.' (Harper & Brothers, New York, 1899)
- 102 MODERN AMERICAN TITLE. Anonymous. From 'Harper's Weekly.' (New York)
- 103 MODERN AMERICAN MAGAZINE COVER. By Edward Penfield. From 'Harper's Weekly.' (New York)
- 104 MODERN AMERICAN CAPITALS. By Edward Penfield
- 105 MODERN AMERICAN SMALL LETTERS. By Edward Penfield
- 106 MODERN AMERICAN COVER DESIGN. By H. Van Buren Magonigle

- 107 MODERN AMERICAN CAPITALS. By H. Van Buren Magonigle
- 108 MODERN AMERICAN CAPITALS. By Bertram G. Goodhue. From 'Masters in Art.' (Boston, 1900)
- 109 MODERN AMERICAN TITLE. By Will Bradley. From 'The Book List of Dodd, Mead & Co.' (New York, 1899)
- 110 MODERN AMERICAN CAPITALS AND SMALL LETTERS. By Will Bradley. From 'Bradley, His Book.' (The Wayside Press, Springfield, Mass., 1896)
- 111 MODERN AMERICAN MAGAZINE COVER. By Will Bradley. From 'The International Studio.' (New York)
- 112 MODERN AMERICAN TICKET. By A. J. Iorio
- 113 MODERN AMERICAN CAPITALS. After lettering by Will Bradley
- 114 MODERN AMERICAN CAPITALS. By Maxfield Parrish
- 115 MODERN AMERICAN TITLE. By Maxfield Parrish. From 'Knickerbocker's History of New York.' (R. H. Russell, New York, 1900)
- 116 MODERN AMERICAN TITLE. By Addison B. Le Boutillier
- 117 MODERN AMERICAN CAPITALS. By Addison B. Le Boutillier
- 118 MODERN AMERICAN SMALL LETTERS. By Addison B. Le Boutillier
- 119 MODERN AMERICAN POSTER. By Addison B. Le Boutillier
- 120 MODERN AMERICAN BOOK-PLATE. By Claude Fayette Bragdon
- 121 MODERN AMERICAN TITLE. By Claude Fayette Bragdon. From 'Literature.' (New York)
- 122 MODERN AMERICAN LETTER-HEADING. By Claude Fayette Bragdon
- 123 MODERN AMERICAN ADVERTISEMENT. By H. L. Bridwell. (Strowbridge Lithographic Co., Cincinnati)
- 124 MODERN AMERICAN CAPITALS. By H. L. Bridwell
- 125 MODERN AMERICAN CAPITALS. By Frank Hazenplug
- 126 MODERN AMERICAN CAPITALS, "HEAVY FACE." By Frank Hazenplug
- 127 MODERN AMERICAN BOOK-COVER. By Frank Hazenplug. From 'Ickery Ann and other Girls and Boys.' (Herbert S. Stone & Co., Chicago, 1899)
- 128 MODERN AMERICAN TITLE. By Edward Edwards. From 'Harper's Pictorial History of the War with Spain.' (Harper & Brothers, New York, 1899)
- 129 MODERN AMERICAN CATALOGUE COVER. By Frank Hazenplug. From the Catalogue of the Chicago Arts and Crafts Society. (Chicago)
- 130 MODERN AMERICAN TITLE. By Guernsey Moore. From 'The Saturday Evening Post.' (Philadelphia)
- 131 MODERN AMERICAN TITLE. By Harry Everett Townsend. From 'The Blue Sky.' (Langworthy & Stevens, Chicago, 1901)
- 132 MODERN AMERICAN HEADING. By Howard Pyle. From 'Harper's Magazine.' (New York)
- 133 MODERN AMERICAN LETTERS. Compiled from various sources. F. C. B.
- 134 MODERN AMERICAN CAPITALS. After lettering by Orson Lowell
- 135 MODERN AMERICAN SMALL LETTERS. F. C. B.
- 136 MODERN AMERICAN TITLES. By Orson Lowell. From 'Truth.' (New York)
- 137 MODERN AMERICAN TITLE. By Orson Lowell. From 'Truth.' (New York)
- 138 MODERN AMERICAN LETTERS. For rapid use. F. C. B.
- 139 MODERN AMERICAN ITALIC. For use in lettering architects' plans, etc. By Claude Fayette Bragdon
- 140 MODERN AMERICAN LETTERS, "CURSIVE." For rapid use. By Maxfield Parrish
- 141 ITALIAN ROUND GOTHIC SMALL LETTERS. After Lucantonii Giunta. Redrawn from 'Graduale Sanctae Romanae Ecclesiae.' (Venice, 1500)
- 142 ITALIAN ROUND GOTHIC SMALL LETTERS. 16th Century. Redrawn from Italian originals
- 143 SPANISH ROUND GOTHIC LETTERS. By Francisco Lucas. From 'Arte de Escrivirde.' (Madrid, 1577)
- 144 GERMAN BLACKLETTER CONSTRUCTION. By Albrecht Dürer. From 'Underweyssung der messung, mit dem zirckel, ün richtscheyt, in Linien, etc.' (Nuremberg, 1525)
- 145 GERMAN BLACKLETTERS. Redrawn from manuscripts
- 146 GERMAN BLACKLETTERS. With rounded angles. Redrawn from manuscripts

- 147 ITALIAN BLACKLETTER TITLE-PAGE. By Jacopus Philippus Foresti (Bergomensis). From 'De Claris Mulieribus, etc.' (Ferrara, 1497)
- 148 GERMAN BLACKLETTER PAGE. By Albrecht Dürer. From the Prayerbook designed by him for the Emperor Maximilian. (Nuremberg, 1515)
- 149 GERMAN MEMORIAL BRASS WITH BLACKLETTER INSCRIPTION. Ascribed to Albrecht Dürer. Cathedral of Meissen, 1510. From 'Fac-similes of Monumental Brasses on the Continent of Europe.' (W. F. Creeney, Norwich, 1884)
- 150 MODERN AMERICAN CALENDAR COVER IN BLACKLETTER. By Bertram G. Goodhue. From 'Every Day's Date Calendar.' (Fleming, Schiller & Carrick, New York, 1897)
- 151 MODERN GERMAN BLACKLETTERS. By Walter Puttner. From 'Jugend.' (Munich)
- 152 MODERN GERMAN TITLE IN BLACKLETTER. By Otto Hupp. From 'Münchener Kalendar.' (Munich, 1900)
- 153 MODERN AMERICAN PAGE IN ENGLISH BLACKLETTER. By Edwin A. Abbey. From 'Scribner's Magazine.' (New York)
- 154 UNCIAL GOTHIC INITIALS. Redrawn from 12th Century examples. F. C. B.
- 155 UNCIAL GOTHIC INITIALS. Redrawn from 13th Century examples. F. C. B.
- 156 UNCIAL GOTHIC CAPITALS. Redrawn from 14th Century examples. F. C. B.
- 157 UNCIAL GOTHIC CAPITALS. 14th Century. After J. Weale. Redrawn from 'Portfolio of Ancient Capital Letters.' (London, 1838-9)
- 158 ITALIAN UNCIAL GOTHIC CAPITALS, IN THE "PAPAL" HAND. From a Florentine manuscript of 1315. British Museum, London. F. C. B.
- 159 SPANISH UNCIAL GOTHIC CAPITALS. By Juan de Yciar. Adapted from 'Arte por la qual se enseña escrever perfectamente.' (Saragossa, 1550)
- 160 VENETIAN WALL PANEL, of Marble, Inscribed with Uncial Gothic Letters. 15th Century. From the Church of S. Giovanni e Paolo, Venice. Rubbing
- 161 VENETIAN GOTHIC CAPITALS. 15th Century. Redrawn from the rubbing shown in figure 160. F. C. B.
- 162 GERMAN UNCIAL CAPITALS. 1341. Redrawn from a memorial brass in the Cathedral of Lübeck
- 163 FRENCH AND SPANISH GOTHIC CAPITALS. 14th Century. After W. S. Weatherley
- 164 and 165 ITALIAN GOTHIC INITIALS. After G. A. Tagliente, in 'La vera arte dello eccellente scrivere.' (Venice, 1524)
- 166 ITALIAN GOTHIC INITIALS. By Giovanni Battista Palatino. From 'Libro nel qual s'insegna a scrivere.' (Rome, 1548)
- 167, 168 and 169 GERMAN GOTHIC INITIALS. By P. Frank. Nuremberg, 1601. From Petzendorfer's 'Schriften-Atlas.' (Stuttgart, 1889)
- 170 ITALIAN GOTHIC CAPITALS. 16th Century. Redrawn from old examples
- 171 GOTHIC CAPITALS OF ENGLISH FORM. 16th Century. Redrawn from old examples
- 172 ITALIAN GOTHIC CAPITALS. 17th Century. Redrawn from various examples
- 173 GERMAN GOTHIC CAPITALS. 17th Century. Redrawn from various manuscripts
- 174 GERMAN GOTHIC CAPITALS. From manuscripts
- 175 GERMAN GOTHIC CAPITALS. From manuscripts
- 176 GERMAN GOTHIC CAPITALS, HEAVY FACED
- 177 ENGLISH GOTHIC "TEXT," INITIALS AND BLACKLETTERS. 15th Century. From manuscripts
- 178 ENGLISH GOTHIC UNICIALS AND BLACKLETTERS. 15th Century. From Queen Eleanor's tomb. F. C. B.
- 179 ENGLISH GOTHIC CAPITALS AND BLACKLETTERS. 15th Century. From tomb of Richard II, Westminster Abbey, London. F. C. B.
- 180 GERMAN BLACKLETTERS. From a brass. Redrawn from a rubbing. F. C. B.
- 181 GERMAN BLACKLETTERS. With Albrecht Dürer's initials. 16th Century. F. C. B.
- 182 ITALIAN BLACKLETTERS. By G. A. Tagliente. From 'La vera arte dello eccellente scrivere.' (Venice, 1524)
- 183 GERMAN BLACKLETTERS. After lettering by Albrecht Dürer. 16th Century
- 184 GERMAN BLACKLETTERS. After lettering by Albrecht Dürer. 16th Century

- 185 GERMAN GOTHIC CAPITALS. By Albrecht Dürer. 16th Century
- 186 ENGLISH GOTHIC BLACKLETTERS. Late 15th Century. Redrawn from a brass. F. C. B.
- 187 ITALIAN INLAID BLACKLETTERS. From a marble slab in Santa Croce, Florence. Redrawn from a rubbing. F. C. B.
- 188 and 189 MODERN AMERICAN BLACKLETTERS WITH GOTHIC CAPITALS. By Bertram G. Goodhue
- 190 MODERN GERMAN BLACKLETTERS. After lettering by Julius Diez
- 191 MODERN GERMAN BLACKLETTERS, FLOURISHED. F. C. B.
- 192 GERMAN ITALIC. By Gottlieb Münch. From 'Ordnung der Schrift.' (Munich, 1744)
- 193 SPANISH SCRIPT. By Torquato Torio. From 'Arte de Escribir.' (Madrid, 1802)
- 194 SPANISH SCRIPTS. By Torquato Torio. From 'Arte de Escribir.' (Madrid, 1802)
- 195 SPANISH SCRIPT. By Francisco Lucas. From 'Arte de Escrevirde.' (Madrid, 1577)
- 196 SPANISH CURSIVE. By Francisco Lucas. From 'Arte de Escrevirde.' (Madrid, 1577)
- 197 MODERN AMERICAN SCRIPT TITLE. By Claude Fayette Bragdon. From an advertisement
- 198 MODERN AMERICAN SCRIPT TITLE. By George Wharton Edwards. From 'Collier's Weekly.' (New York)
- 199 FRENCH SCRIPT CAPITALS. 18th Century. F. C. B.
- 200 GERMAN SCRIPT. 18th Century forms. Adapted from C. Hrachowina's 'Initialen, Alphabete und Randleisten verschiedener Kunstepochen.' (Vienna, 1883)
- 201 SPANISH SCRIPT CAPITALS. Early 18th Century. Adapted from a Spanish Writing-book. F. C. B.
- 202 SPANISH SCRIPT ALPHABETS. Late 17th Century. Adapted from Spanish Writing-books. F. C. B.
- 203 ENGLISH INCISED SCRIPT. Redrawn from inscriptions in slate and stone in Westminster Abbey, London. F. C. B.
- 204 MODERN AMERICAN SCRIPT BOOK TITLE. By Bruce Rogers. From cover design of 'The House of the Seven Gables.' (Houghton, Mifflin & Co., Boston, 1899)
- 205 MODERN AMERICAN SCRIPT. By Bruce Rogers
- 206 MODERN AMERICAN SCRIPT CAPITALS. After lettering by Frank Hazenplug
- 207 MODERN AMERICAN ITALIC CAPITALS. F. C. B.
- 208 MODERN AMERICAN SCRIPT TITLE. Anonymous. From 'Harper's Weekly.' (New York)
- 209 MODERN AMERICAN SCRIPT TITLE. By Edward Penfield. From 'Harper's Weekly.' (New York)
- 210 DIAGRAM TO SHOW METHOD OF ENLARGING A PANEL, from upper left corner
- 211 DIAGRAM TO SHOW METHOD OF ENLARGING A PANEL, from perpendicular center line
- END PAPERS. From an embroidered Altar-cloth. 17th Century. Church of St. Mary, Soest, Westphalia, Germany.

CONTENTS

I. ROMAN CAPITALS	1
II. MODERN ROMAN LETTERS	52
III. GOTHIC LETTERS	127
IV. ITALIC AND SCRIPT	182
V. TO THE BEGINNER	199

CHAPTER I

ROMAN CAPITALS

In speaking of the "Roman" letter throughout this chapter its capital form—the form in monumental use among the Romans—will always be implied. The small or "minuscule" letters, which present nomenclature includes under the general title of "Roman" letters, and which will be considered in the following chapter, were of later formation than the capitals; and indeed only attained their definitive and modern form after the invention of printing from movable types.

The first point to be observed in regard to the general form of the Roman capital is its characteristic squareness. Although the letter as used to-day varies somewhat in proportions from its classic prototype, its skeleton is still based on the square.

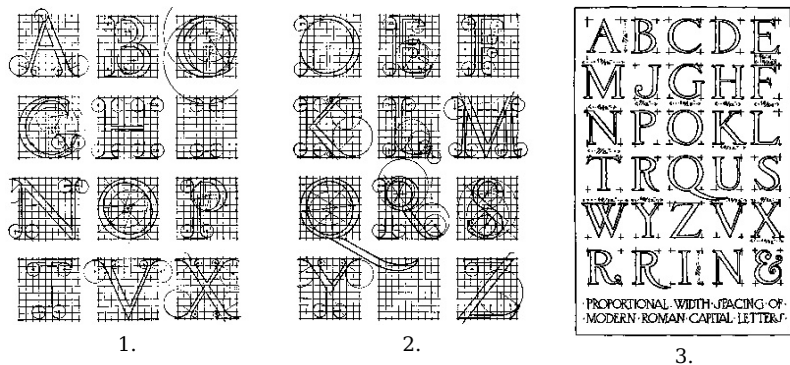
Next to this typical squareness of outline, the observer should note that the Roman letter is composed of thick and thin lines. At first sight it may seem that no systematic rules determine which of these lines should be thick and which thin; but closer investigation will discover that the alternate widths of line were evolved quite methodically, and that they exactly fulfil the functions of making the letters both more legible and more decorative. Arbitrary rearrangements of these thick and thin lines, differing from the arrangement of them in the classic examples, have, indeed, been often attempted; but such rearrangements have never resulted in improvement, and, except in eccentric lettering, have fallen into complete disuse. [2]

The original thickening and thinning of the lines of the classic Roman capitals was partly due to the imitation in stone inscriptions of the letter forms as they were written on parchment with the pen. The early Latin scribes held their stiff-nibbed reed pens almost directly upright and at right angles to the writing surface, so that a down stroke from left to right and slanted at an angle of about forty-five degrees would bring the nib across the surface broadwise, resulting in the widest line possible to the pen. On the other hand, a stroke drawn at right angles to this, the pen being still held upright, would be made with the thin edge of the nib, and would result in the narrowest possible line. From this method of handling the pen the variations of line width in the standard Roman forms arose; and we may therefore deduce three logical rules, based upon pen use, which will determine the proper distribution of the thick and thin lines:

I, Never accent horizontal lines. II, Always accent the sloping down strokes which run from left to right, including the so-called "swash" lines, or flying tails, of Q and R; but never weight those which, contrariwise, slope up from left to right, with a single exception in the case of the letter Z, in which, if rule I be followed, the sloping line (in this case made with a down stroke) will be the only one possible to accent. III, Always accent the directly perpendicular lines, except in the N, where these lines seem originally to have been made with an up stroke of the pen; and the first line of the M, where the perpendiculars originally sloped in towards the top of the letter (see 2). On the round letters the accents should occur at the sides of the circle, as virtually provided in rule III, or on the upper right and lower left quarters (see 1-2), where in pen-drawn letters the accent of the down sloping stroke would naturally occur, as virtually determined in rule II. [3]

The "serif"—a cross-stroke or tick—finishes the free ends of all lines used in making a Roman capital. The value of the serif in stone-cut letters seems obvious. To define the end of a free line a sharp cut was made across it with the chisel, and as the chisel was usually wider than the thin line this cut extended beyond it. Serifs were added to the ends of the thick lines either for the sake of uniformity, or may have been suggested by the chisel-marked guide lines themselves. Indeed in late stone-cut Roman work the scratched guide lines along the top and bottom of each line of the inscription are distinctly marked and merge into the serifs, which extend farther than in earlier examples. The serif was adopted in pen letters probably from the same reasons that caused it to be added to the stone-cut letters, namely, that it definitely finished the free lines and enhanced the general squareness and finish of the letter's aspect.

An excellent model for constructing the Roman capitals in a standard form will be found in the beautiful adaptation by Mr. A. R. Ross, 1 and 2, from an alphabet of capitals drawn by Sebastian Serlio, an Italian architect, engraver and painter of the sixteenth century, who devised some of the most refined variants of the classic Roman letter. Serlio's original forms, which are shown in 39 and 40,



were intended for pen or printed use; but in altering Serlio's scheme of proportions it will be observed that Mr. Ross has partially adapted the letter for use in stone, and has further varied it in details, notably in serif treatment. In most modern stone-cut letters, however, the thin strokes would be made even wider than in this example, as in 14. Mr. Ross's adaptation shows excellently how far the classic letters do or do not fill out the theoretical square. [6]

Width proportions, which may be found useful in laying out lettering for lines of a given length, are shown in 3 in a more modern style of the Roman capital. In the classic Roman letter the cross-bar is usually in the exact center of the letter height, but in 3 the center line has been used as the bottom of the cross-bar in B, E, H, P, and R, and as the top of the cross-bar in A; and in letters like K, Y and X the "waist lines," as the meeting points of the sloping lines are sometimes called, have been slightly raised to obtain a more pleasant effect.

The Roman alphabet, although the one most in use, is unfortunately the most difficult to compose into words artistically, as the spacing between the letters plays a great share in the result. The effect of even color over a whole panel is obtained by keeping as nearly as possible the same area of white between each letter and its neighbor; but the shape of this area will be determined in every case by the letters which happen to be juxtaposed. Individual letters may, however, be widened or condensed to help fill an awkward "hole" in a line of lettering;—the lower lobe of the B may be extended, the center bar of the E pulled out (in which case the F should be made to correspond), the lower slant stroke of the K may be used as a swash tail, and the R may have its

tail extended or drawn closely back against the upright line, and so on. Indeed, each and every letter of the alphabet is susceptible to such similar modifications in shape as may make it best suit the space left for it by its neighbors. Observe, for example, the spacing of the word MERITAE in 34, and notice how the tail of the R is lengthened to hold off the I because the T on the other side is perforce held away by its top. In the page of capitals, 124, by Mr. Bridwell, see also how the different spacing of the word FRENCH in the first and second lines is managed. In the advertisement, 123, also by Mr. Bridwell, note how the letters are spaced close or wide in order to produce a definite effect. The whole problem of spacing is, however, one of such subtle interrelation and composition, that it can only be satisfactorily solved by the artistic sense of the designer. Any rules which might be here formulated would prove more often a drawback than a help. [8]

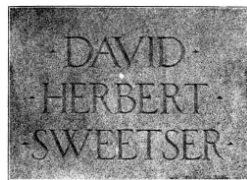
Certain optical illusions of some of the Roman letter forms should be briefly mentioned. These illusions are caused by the failure of certain letters to impinge squarely with determining serifs against the demarking top and bottom guide lines. The round letters C, G, O and Q often seem to be shorter and smaller than the other characters in a word unless the outsides of their curves run both above and below the guide lines. For the same reason s should be sometimes slightly increased in height, though in this case the narrowness of the letter makes less increase necessary; and J, on account of its kern, is governed by the same conditions as S, save when letters with distinct serifs come closely against it at the bottom. Theoretically the right side of D would require similar treatment, but actually this is seldom found necessary. The pointed ends of the letters v and w should, for similar optical reasons, be extended slightly below the bottom guide lines, the amount of this extension being determined by the letters on each side of them. In the A, the Roman letterer at first got over the optical difficulty caused by its pointed top by running this letter also higher than its neighbors; but he later solved the problem by shaping its apex as shown in 1, thus apparently getting the letter into line with its companions while still obtaining a sufficient width of top to satisfy the eye. Because of its narrowness, i should generally be allowed more proportionate white space on either side of it than the wider letters. [9]

Some idea of the proportionate variations required to counteract the optical illusions of the letters above named may be obtained from the practice of type-founders. In making the designs for a fount of type, it has been customary to first draw each letter at a very large size. Taking an arbitrary height of twelve inches as a standard, the points of A and V were made to extend about three-quarters of an inch above or below the guides, the letter O was run over about half an inch at both top and bottom, and the points of the w were made to project about the same distance. In pen lettering, however, it is possible and preferable to adapt each letter more perfectly to its individual surroundings by judgment of the eye than to rely upon any hard and fast rules.

Certain variations between the stone-cut forms of the Roman letters and their forms as drawn or printed should be understood before an intelligent adaptation of stone forms to drawn forms, or the opposite, is possible. When drawn or printed a character is seen in black against a white ground with no illusory alterations of its line widths caused by varying shadows. In stone-cut letters, on the other hand, where the shadows rather than the outlines themselves reveal the forms, different limitations govern the problem. The thin lines of a letter to be v-sunk should generally be made slightly thicker in proportion to the wide lines than is the case with the pen-drawn letter, especially as the section is likely to be less deeply and sharply cut nowadays than in the ancient examples, for the workmanship of to-day seems to be less perfect and the materials used more friable. A slight direct sinkage before beginning to cut the v-sunk section is a useful method of partially atoning for modern shallow cutting, as shadows more directly defining the outlines are thus obtained. The student should, however, be warned at the outset that all reproductions or tracings from rubbings of ancient stone-cut letters are apt to be more or less deceptive, as all the accidental variations of the outlines are exaggerated, and where the stone of the original has been chipped or worn away it appears in the reproduction as though the letter had been actually so cut. [10] [11]



4.



5.



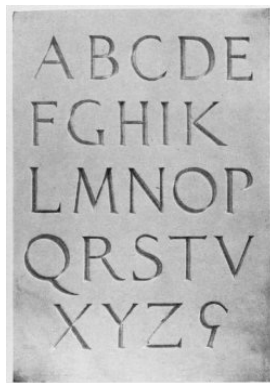
6.

The photograph of a panel of lettering from the upper part of the Arch of Constantine, Rome, shown in 6, well indicates the effect of shadows in defining the classic Roman letters; and the effect of shadows on an

incised letter may be clearly observed by comparing

4 and 5, the former showing a drawing for an inscription in which the Serlio-Ross alphabet was used as a basis for the letter forms, and the latter being a photograph of the same inscription, as cut in granite. It will be noted how much narrower the thin lines appear when defined only by shadow than in the drawing. The model used for the lettering on the frieze of the Boston Public Library, 7, which shows some interesting modern forms intended for cutting in granite, should be studied for the effect of the cast shadows; while 14, a redrawing of inscriptions on the Harvard Architectural Building, Cambridge, Mass., exhibits an excellent type of letter with widened thin lines for v-cutting in sandstone. [14]

The special requirements of the stone-cut forms for either incised or raised inscriptions are, however, quite apart from the subject of this book, and are too various to be taken up in greater



7.



8.



9.



10.

detail here. It is important, nevertheless, that the designer should be reminded always to make allowance for the material in which a letter was originally executed. Otherwise, if exactly copied in other materials, he may find the result annoyingly unsatisfactory.

The examples of letters taken from Roman and Renaissance Italian monuments, shown in the pages of this chapter, will illustrate the variety of individual letter forms used by the Classic and Renaissance designers. [15]

The shape of the same letter will often be found to vary in the same inscription and even in apparently analogous cases. The designers evidently had in mind more than the directly adjacent words, and sometimes even considered the relation of their [16]

lettering to objects outside the panel altogether. This is especially true in the work of the Italian Renaissance, which is almost invariably admirable in both composition and arrangement.



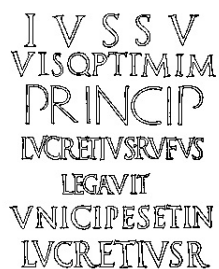
11.



12.

Figures 8 to 22 show examples, drawn from various sources, which exhibit different treatments of the classic Roman letter forms. The differentiation will be found to lie largely in the widths of the letters themselves, and in the treatment of the serifs, angles, and varying widths of line. Figures 11 to 13 and 16 to 22 are [17]

redrawn from rubbings of Roman incised inscriptions. Figures 16 and 17 show beautifully proportioned letters cut in marble with unusual care and refinement, considering the large size of the originals. A later Roman form of less refinement but of greater strength and carrying power, and for that reason better adapted to many modern uses, is shown in 18 and 19. In this case the original letters were cut about seven and one-half inches high. The letters in 20 are curiously modern in character. Part of the panel of Roman lettering shown in 21 exhibits the use of a form very like that shown in 18 and 19. Figure 11 shows a detail composed in a quite representative fashion; while on the other hand figure 12 depicts a Roman letter of quite unusual character, and of a form evidently adapted from pen work, in which the shapes are narrow and crowded, while the lines are thickened as though they were of the classical square outline. The bits of old Roman inscriptions shown in 8 to 10 and in 13 are included to exhibit various different forms and treatments of classic capitals. [27]



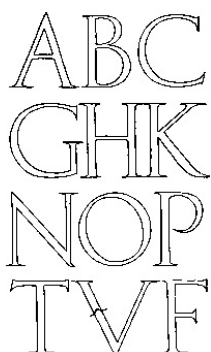
13.



14.



15.



16.



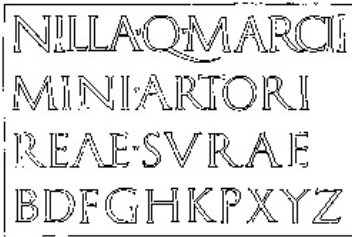
17.



18.



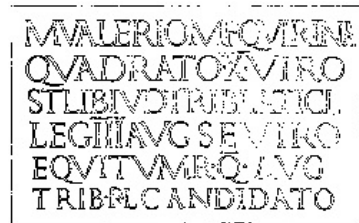
19.



20.



21.



22.

After the fall of Rome and during the Dark Ages the practice of lettering, at least in so far as the Roman form was concerned, was distinctly retrograde. With the advent of the Renaissance, however, the purest classic forms were revived; and indeed the Italian Renaissance seems to have been the golden age of lettering. With the old Roman fragments of the best period constantly before their eyes the Renaissance artists of Italy seem to have grasped the true spirit of classicism; and their work somehow acquired a refinement and delicacy lacking in even the best of the Roman examples. As much of the Italian Renaissance lettering was intended for use on tombs or monuments where it might be seen at close range, and was cut in fine marble, the increased refinement may be due, at least in part, to different conditions.



23.



24.



25.

The panel from Raphael's tomb in the Pantheon, Rome, 30, shows a beautiful and pure form of typical Renaissance letter; and the composition of the panel is as well worthy of careful study as are the letter forms. Figure 34, devised from a tomb in Santa Croce, portrays a letter not only beautiful in itself, but one which, with two minor changes (for the top bar of the T might advantageously be shortened to allow its neighbors to set closer, and the M might be finished at the top with a serif, after the usual fashion), is exactly applicable to the purposes of the modern draughtsman. This type of letter appears to best advantage when used in such panel forms as those shown in the rubbing from the Marsuppini tomb, 31, and in the floor slab from the same church, 32. Two very refined examples, 28 and 29, also from slabs in Santa Croce, Florence, date from about the same period. The latter exhibits the alphabet itself, and the former shows a similar letter form as actually used. The letters in 33, redrawn from rubbings from the Marsuppini tomb, are shown for comparison with the rubbing itself, which is reproduced in smaller size in 31. Taken together, plates 30, 31 and 32 will fairly represent not only the usual fashion of composing Renaissance panels, but capital forms which illustrate some of the most excellent work of this period.

[28]

A very different and interesting type of letter was used on many of the best medals of the Italian Renaissance (see 24), which has been recently adapted and employed by modern medal designers in France, as exhibited in figure 25. Although absolutely plain, it is, when properly composed, much more effective in the service for which it was intended than a more elaborate and fussy form; and although sometimes adapted with good results to other uses, it is particularly appropriate for casting in metal. Similar forms rendered in pen and ink are shown in 26.

[30]



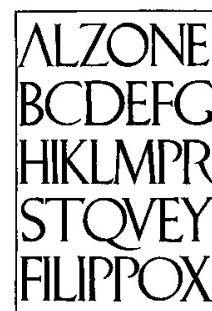
26.



27.



28.



29.

Figures 27, and 35 to 41 show various pen or printed forms of capital letters redrawn from the handiwork of Renaissance masters. The capital letters shown in 27 are unusually beautiful, and their purity of form is well displayed in the outline treatment. Perhaps the best known standard example of a Renaissance pen-drawn letter is that by Tagliente, reproduced in 35 and 36. In spite of their familiarity it has seemed impossible to omit the set of capitals, with variants, by Albrecht Dürer, 37 and 38; for Dürer's letters were taken as a basis by nearly all such Renaissance designers of lettering as Geoffrey Tory, Leonardo da Vinci, etc. It should be observed in the

[31]

Dürer alphabet that among the variant forms of individual letters shown, one is usually intended for monumental use, while another exhibits pen treatment in the characteristic swelling of the round letters, etc. [32]



30.

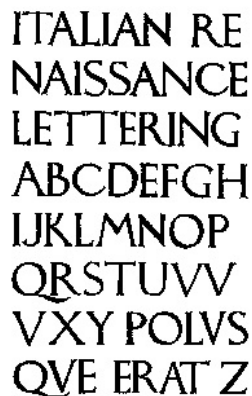


31.

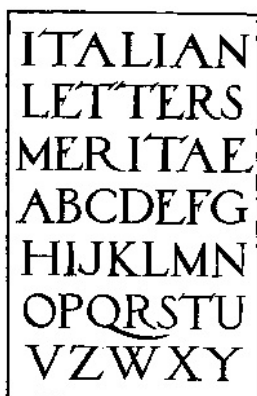


32.

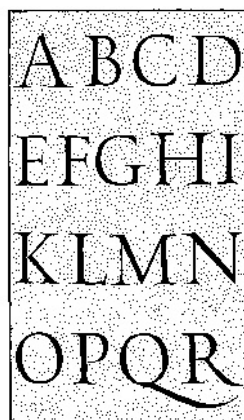
Serlio's alphabet, 39 and 40, should be compared with Mr. Ross's modification of it, reproduced in 1 and 2. The alphabet shown in 41 is a somewhat expanded form of classic capital, contrasting markedly in various respects with more typical forms.



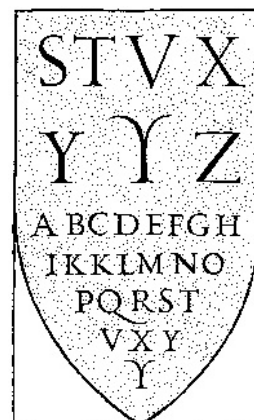
33.



34.



35.



36.



37.



38.



39.



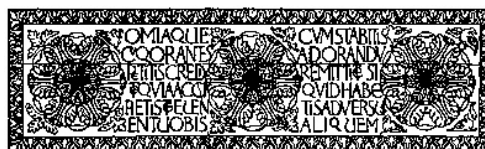
40.



41.

A practically unlimited number of other examples might have been included to show various capital forms of Renaissance letters; but the specimens chosen will adequately illustrate all the more distinctive and refined types of the individual letters. [45]

Before, during and after the Renaissance movement many local and extraneous influences temporarily modified the forms of the Roman letters. There are, for instance, numerous examples of lettering in which Byzantine and Romanesque traits are strongly apparent, such as the free manipulation of the letter forms in order to make them fit into given lines and spaces. The drawing of the panel over the doorway of the Badia, Florence, 42, notable for the characteristic placing and composition of the letters, will serve as a case in point. This example is further interesting because it shows how the Uncial form of the letter was beginning to react and find a use in stone—a state of affairs which at first glance might seem anomalous, for the Uncial letter was distinctly a pen-drawn form; but it was discovered that its rounder forms made it particularly useful for inscribing stones which were likely to chip or sliver, in carving which it was consequently desirable to avoid too acute angles. The Roman letter underwent various salient modifications at the hands of the scribes of extra-Italian nations. We find very crude variants of the Roman letter, dating hundreds of years after the Roman form had reached its highest development; and, on the other hand, some very beautiful and individual national variants were produced. The continual interchange of manuscripts among the nations on the continent of Europe probably explains the more conventional character and strong general resemblance of most of the early Continental work; but the scribes of insular England, less influenced by contemporary progress and examples, produced forms of greater individuality (see 46, 47, 48). In Ireland, letter forms originally derived from early Roman models were developed through many decades with no ulterior influences, and resulted in some wonderfully distinctive and beautiful variations of the Roman letters, though the [46]



42.

and resulted in some wonderfully distinctive and beautiful variations of the Roman letters, though the [47]

beauty of these Irish examples can only be faintly suggested by reproductions limited to black and white, and without the decorations of the originals.

THE
QUEST OF
MERLIN
RICHARD BOVEY

43.

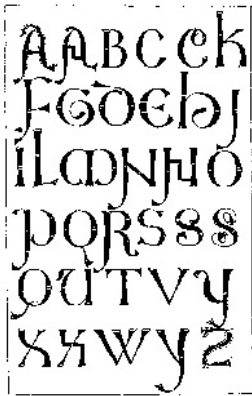
DON QUIXOTE

44.

ARCHITECTURE
CHIEFLY SELECTED
FROM EXAMPLES
OF THE 12TH AND 13TH
CENTURIES IN
FRANCE & ITALY
AND DRAWN BY
W. EDEN NESFIELD
ARCHITECT LONDON

45.

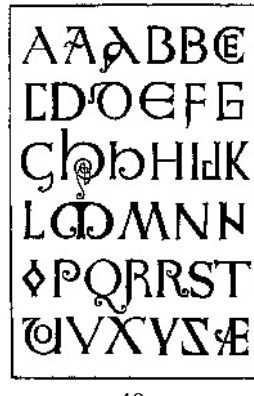
Figures 43 and 44 illustrate, respectively, modern employments of such strongly characteristic letters as those shown in 46 and 49. From these ancient examples the designers have evolved letters suitable to the character of their work. In 44 Mr. Crane has engrafted upon a form quite personal to himself a characteristic detail of treatment borrowed from the letter shown in 49. Figure 45 shows a similar and modernized employment of a standard form of Uncial capital.



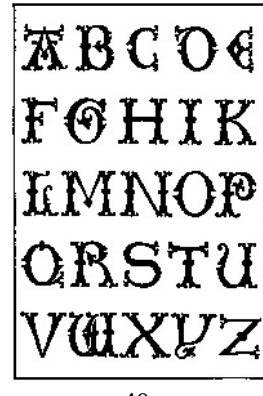
46.



47.



48.



49.

CHAPTER II

MODERN ROMAN LETTERS

The small or "minuscule" letter that we now use in all printed books attained its modern and definitive form only after the invention of printing. The first printed books were made to imitate, as closely as possible, the handwritten work of the scribes of the early fifteenth century, and as printing was first done in Germany, the earliest book types were those modeled upon German scripts, somewhat similar to that shown in 141, and their condensed or blackletter variants. The Italian printers, of a more classical taste, found the German types somewhat black and clumsy; for though Gothic characters were also used in Italy, they had become lighter and more refined there. The Italians, therefore, evolved a new form of type letter, based upon the *Italian* pen letters then in use, which though fundamentally Gothic in form had been refined by amalgamation with an earlier letter known as the "Caroline", from its origin under the direction of Charlemagne. The "Caroline" was in its turn an imitation of the Roman "Half-uncial." The close relationship of the first small type letter forms in Italy with the current writing hand of the best Italian scribes is well indicated by the legend that the "Italic," or sloped small letter, was taken directly from the handwriting of Petrarch. The new Italian types, in which classic capitals were combined with the newly evolved minuscule letters, were called "Roman" from the city of their origin, and sprang into almost immediate popularity, spreading from Italy into England, France and Spain. In Germany, on the other hand, the national blackletter form persisted, and is still in use to-day.

The minuscule "Roman" letters thus evolved were developed to their most perfect individual forms by the master-printers of Venice; and it is to the models which they produced that we must revert to-day when we attempt to devise or reproduce an elegant small letter of any conservative form. The modern pen draughtsman should bear in mind, however, that, perfect as such forms of letters may be for the uses of the printer, the limitations of type have necessarily curtailed the freedom and variety of their serif and swash lines, and that therefore, though accepting their

[52]

[53]

basic forms, he need not be cramped by their restrictions, nor imitate the unalterable and sometimes awkwardly inartistic relations of letter to letter for which he finds precedents in the printed page. Indeed, the same general rules for spacing and the same freedom in the treatment of the serifs, kerns and swash lines are quite as applicable to pen-drawn small letters as to the capital forms. The only true path of progress lies in this freedom of treatment; and if the same fertile artists of the Renaissance who have bequeathed to us such beautiful examples of their unfettered use of the capital had used the minuscule also, we should undoubtedly possess small letters of far more graceful and adaptable forms than those which we now have.



50.



51.

In 50 and 51 may be found an attempt to formulate a scheme to assist in the reconstruction of an alphabet of Roman small letters, after somewhat the same fashion as that devised for the Roman capitals by Mr. Ross, in 1 and 2. A small-letter diagram must, for obvious reasons, be less exact and detailed than one for the more defined capital form; but the

[56]

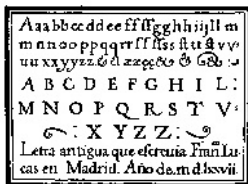
diagram given will serve to determine sufficiently the main outlines and proportions. In their shapes the letters shown in 50 and 51 adhere fairly closely to the best type forms of the small letter; and the drawing will serve, further, to show the space generally allowed by modern founders between one lower-case letter and another when set into type words. This spacing is based on the m of the fount employed. The open space between all but k, w and y (in which the outlines of the letters themselves hold them further away from their neighbors) and the round letters being the space between the upright strokes of the m; an interval represented in the diagram by a square and a half. The round letters, as has already been said in speaking of the capital forms, should be spaced nearer together; and it will be observed that they are only separated by one square in the diagram. Although suggestive, the rules which govern the spacing of types are not to be blindly followed by the pen letterer. In type, for instance, it would be impossible, for mechanical reasons, to allow the kerns of the f, j and y to project far over the body of the next letter, and in these letters the kerns consequently have either to be restrained or the letters spaced farther apart. In pen lettering, however, the designer is not restrained by such limitations, and his spacing of letters should be governed solely by the effect.

The disposition of the accented lines in the small letters follow the same general rules that govern those of the capitals (see page 2); the only deviation being in the case of the g, in which the shading of the bottom seems to have been determined largely by the effect upon the eye.

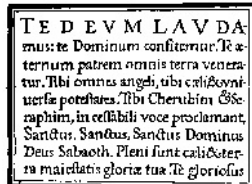
[57]

It will be noticed in the diagram that the "ascenders" of the smaller letters rise about three squares to their extreme top points above the body of the letter; that the body of each letter is inclosed in a square that is three units high, and that the "descenders" fall but two squares below the letter body. These proportions are not by any means invariable, however, and indeed there is no fixed rule by which the proportions of ascenders and descenders to the body of the Roman minuscule may be determined. In some forms of the letter both are of the same length, and sometimes that length is the same as the body height of the letter. In general a better result is obtained by making both ascenders and descenders of less than the length of the body, and keeping the descenders shorter than the ascenders in about the proportion of two-fifths to three-fifths.

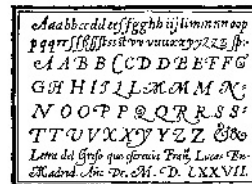
Parallel lines of small letters cannot be spaced closer to each other than the ascenders and descenders will allow; the projections above and below the line are awkward, and interrupt the definite lines of demarkation at the top and bottom of the letter-bodies; the capitals necessarily used in connection with the small letters add to the irregularity of the line—all of which reasons combine to limit the employment of minuscule for formal or monumental uses. On the other hand, the small letter form is excellently adapted for the printed page, where the occasional capitals but tend to break the monotony, while the ascenders and descenders strongly characterize and increase the legibility of the letter forms.



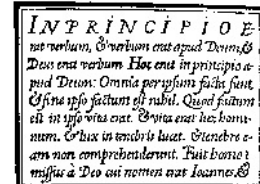
52.



53.



54.



55.

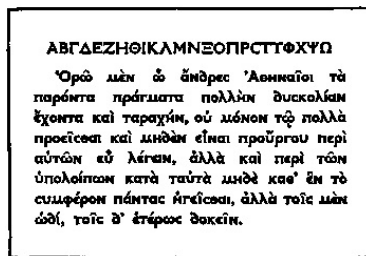
with especial insistence upon an unmechanical treatment of serifs, etc. As a result the "Montaigne" is, for type, remarkable in its artistic freedom, and its forms are well worthy the study of the designer. Both its capitals and small letters suggest the purity of the Italian Renaissance shapes. The letters space rather farther apart than in most types, and the result makes for legibility. Although several other modern faces of type have been designed on much the same lines, notably one for The Dove's Press in England, the "Montaigne" seems the best of them all, because of its freedom, and its absolute divorce from the overdone, exaggerated, heavy-faced effects of the Morris styles of type.

Mr. De Vinne of the De Vinne Press, New York City, has introduced a new type called the "Renner", 63, which was originally cut for some of the Grolier Club's publications. The letters were first photographed from a selected page of Renner's "Quadragesimale," then carefully studied and redrawn before the punches were cut. Mr. De Vinne has added small capitals and italics to the fount, as well as dotted letters to serve as substitutes for the italic for those who prefer them. The "Renner" type would have been more effective on a larger body; but for commercial usefulness it is generally deemed expedient to employ as small a body as the face of a type will allow. Mr. De Vinne notes, in this connection, that all the important types of the early printers were large, and that a fount designed to-day with regard only to its artistic effectiveness would be cast upon a large body and be of good size.

[71]

Mr. Bertram G. Goodhue has designed two founts of Roman type, and is now at work on a Blackletter face. His first fount, cut for Mr. D. B. Updike, of the Merrymount Press, Boston, and known as the "Merrymount," is shown in 64. Intended for large pages and rough paper it necessarily shows to disadvantage in the example given, where the blackness and weight of the letters makes them seem clumsy, despite the refinement of their forms.

The "Cheltenham Old Style," 65, is the other Roman face recently designed by the same artist. It was cut for the Cheltenham Press of New York City; and embodies in its present form many ideas suggested by Mr. Ingalls Kimball of that press. Observe especially the excess in length of the ascenders over the descenders, and that the serifs have been reduced to the minimum. Contrary to the usual custom in type cutting, the round letters do not run above or below the guide lines. The capitals compose excellently; but the small letters are too closely spaced and seem too square for the best effect, and weight has been obtained by so thickening the lines that much delicacy and variety has been lost. The "Cheltenham Old Style" is, however, very legible when composed into words, and is effective on the page.



66.

19 Up, Lord, and let not man have the upper hand: let the heathen be judged in thy sight.
20 Put them in fear, O Lord: that the heathen may know themselves to be but men.

PSALME X.
UT QUID, DOMINE?



1 MY standst thou so far off, O Lord: and hidest thy face in the needful time of trouble?
2 The ungodly for his own lust doth persecute the poor: let them be taken in the crafty wiliness that they have imagined.
3 For the ungodly hath made boast of his own heart's desire: and speaketh good of the covetous, whom God abhorreth.
4 The ungodly is so proud, that he careth not for God: neither is God in all his thoughts.

67.

Any attempt to get the effect of Blackletter with the Roman form is likely to result clumsily. The celebrated Roman faces designed by William Morris (too familiar to require reproduction here) are, despite their real beauty, over-black on the page, and awkward when examined in detail. While the stimulus Morris's work gave to typography was much needed at that time, the present reaction toward more refined faces is most gratifying. By precept and example Mr. Morris produced a salutary revolt against the too thin and light and mechanical type faces before in use, but he went too far in the opposite direction, and we are now certainly falling back upon a more desirable mean.

Mr. Herbert P. Horne is at present designing a new fount of type for the Merrymount Press, Boston, to be known as the "Mont' Allegro," which seems, from the designs so far as at present completed, likely to prove in some respects the most scholarly and severe of modern faces.

[73]

The Greek type designed for the Macmillan Company of England, by Mr. Selwyn Image, 66, is of sufficient interest to be shown here, despite the fact that it is not strictly germane to our subject. In this face Mr. Image has returned to the more classic Greek form, although the result may at first glance seem illegible to the reader familiar with the more common cursive letters.

[74]

The type shown in 67 is a new English face designed by Mr. C. R. Ashbee for a prayerbook for the King. Interesting as it is, it seems in many ways too extreme and eccentric to be wholly satisfactory: the very metal of type would seem to postulate a less "tricky" treatment.

It is interesting to attempt a discrimination between the various national styles of pen letters which the recently revived interest in the art of lettering is producing; and it is especially worth while to note that the activity seems, even in Germany, to be devoted almost exclusively to the development and variation of the Roman forms. It is noteworthy, too, after so long a period of the dull copying of bad forms, and particularly of bad type forms, that the modern trend is distinctly in the direction of freedom; though this freedom is more marked in French and German than in English or American work. Hand in hand with this increased freedom of treatment has naturally come a clearer disclosure of the mediums employed; and indeed in much of the best modern work the designer has so far lent himself to his tools that the tools themselves have, in great measure, become responsible for the resulting letter forms. Moreover modern designers are showing a welcome attention to minuscule letters, and it even seems possible that before long

[75]

[76]

some small letter forms that shall be distinctively of the pen may be developed, and that the use of type models for minuscule pen letters will no longer be found necessary or commendable.

ARCHITECTURAL
LETTERS GERMAN
ABCDEFGHIJKL
MNOPQRSTVXW
YZ ASTHA APPLE

68.

CIVILISATION & PRIX
TABLIATURE & MORT
JARGON & FLUIDITE
COLLE & PASTORALE
MYRMIDON & ZELIA

69.

MODERN
GERMAN AL
SO ABCDEFG
HIJKLMNOPQ
RSTUVWXYZ

70.

GERMAN LET
TERING ABED
EFGHIJKL M
NOPQRSTUDX
YZ

71.

Another noticeable tendency in modern lettering seems to be the gradual promotion of small letter forms to the dignity of capitals, (see 79 and 98 for examples) in much the same way as the Uncial letter and its immediate derivatives produced the present small letter. It is surely to be hoped that this movement may not lose vitality before it has had time to enrich us with some new and excellent forms.

BAYERD ZHUBERERANK
SCHUTZERUPPE QVELLE
ZEUS PSYCHE TAUWERK
WALD NAWAEO RUBENS
PARHOIS XENOPHANES
DRUOENFUSS QVARK

72.

CARITAS DAGO
GESANG BERT
FACULTAT IVLI
PSYCHE QVARZ
SCHRIFT COTT
PALMETTE FVX
BVKOVINA
ENTVORF.

73.

BEND JI
NOT YU
CAG FH
LAST Z
KRXWR
QVIPEM

74.

MODERN
GERMAN
ABCDEFGHI
JKLMNOPQ
RSTUVW
XYZ LAG
234869751

75.

MARCHM
TED GUX
WING JO
KLNFBP
QVYZAD
SER 123
567894

76.



77.



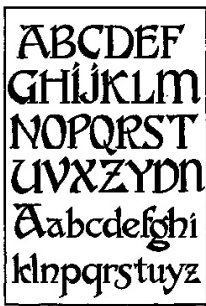
78.

The influence of nationality is strongly shown in the modern lettering of all countries; and it is generally as easy to recognize a specimen as the work of a German, French, English, or American artist, respectively, no matter how individual he may be, as it is to tell the difference between the work of two different designers.

The modern German seems to have an undeniable freshness of outlook on the Roman alphabet. He treats it with a freedom and variety and a certain disregard of precedent—induced, perhaps, by his schooling in Blackletter—that often produces delightful, though sometimes, be it added, direful results. But if the extreme and bizarre forms be thrown aside the designer may obtain suggestions of great benefit and value from the more restrained examples of German work. Many eminent German draughtsmen, whose work is all too little known in this country, are using letters with the same distinction that has of late years marked their purely decorative work, as the specimens shown in 68 to 76 will evidence. Figures 68 and 75 show forms which are perhaps especially representative of the general modern tendency in German work and many German artists are using letters of very similar general forms to these although, of course, with individual variations. Figures 70 and 73 show two very original and pleasing styles, also markedly German. In spite of the national drift toward the Roman, much modern German lettering still takes the Gothic and Blackletter forms; and the specimen reproduced in 71 shows a curious combination of the Gothic, Uncial and Roman forms pervaded by the German spirit. The beautiful lettering in 72 seems to have been inspired from a stone-cut Uncial. Figure 74 shows an almost strictly Roman letter, and yet is as unmistakably German in handling as any of the other examples shown.

[82]

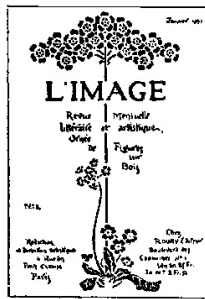
[84]



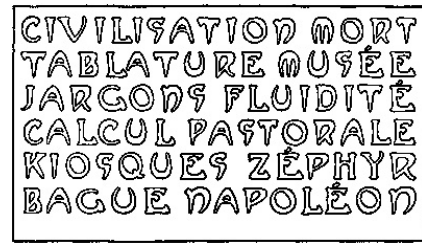
79.



80.

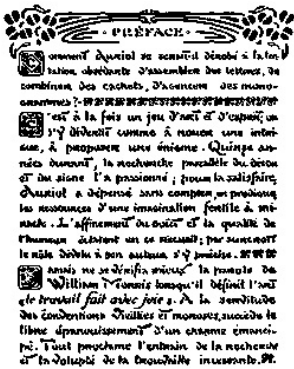


81.

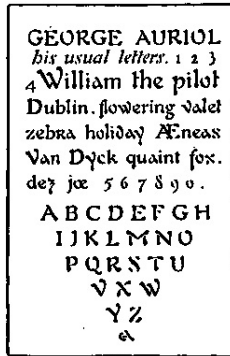


82.

Among the examples of modern French lettering, those shown in 78 and 79 are perhaps the most typical of the modern school. This style of letter was given its most consistent form by the joint efforts of M. P. Verneuil and some of the pupils of Eugène Grasset, after whose letter it was originally modeled. Grasset freely varies his use of this form in his different designs, as in 85, but finds many of his best specimens upon the earlier French models. [86]



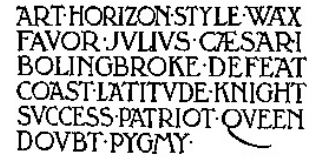
83.



84.



85.



86.

M. George Auriol has extended the modern use of drawn letters by publishing a number of small books which he has handwritten throughout, although the form of letter he generally uses for this purpose is purely modern and not at all like the texts of the medieval scribes. M. Auriol's letter is beautifully clear, readable and original; "brushy" in its technique, yet suitable for rapid writing. He calls it a "Cursive" letter, and has recently made designs for its use in type. The page shown in 83 is from the preface to a book of his well-known designs for monograms, and the entire text is written in this cursive form. The individual letters of this "Cursive" may be more easily studied in 84. The cover for "L'Image", 81, shows the same designer's use of a more conventional Roman form. [91]

The poster by M. Theo. van Rysselberghe shown in 77 exhibits two interesting forms of French small letters that are worthy of study and suggestive for development.

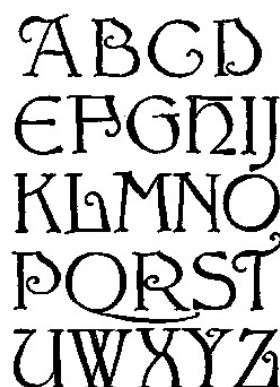
M. Alphons Mucha employs a distinctive letter, especially fitted to his technique, which he uses almost invariably, 82.

Much recent French lettering inclines toward a certain formlessness, that, although sometimes admirable when regarded merely from the point of view of harmony with the design, has little value otherwise. A typical specimen of such formless lettering is that shown in the very charming "Revue Blanche" poster, 80. Excellent when considered with the design, the lettering alone makes but an indifferent showing. [92]

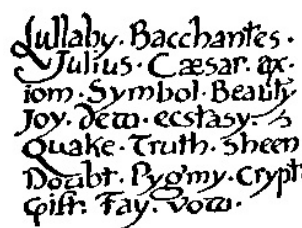
The Italian designers of letters have not yet evolved any very distinctive national forms. In many ways Italian work resembles the German. It has less originality, but greater subtlety and refinement.



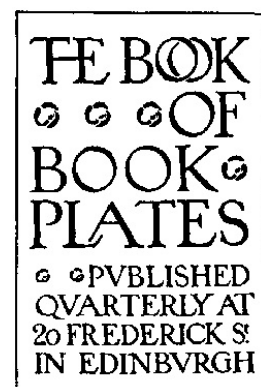
87.



88.



89.



90.

The strongest personality among modern British letterers is Mr. Walter Crane. Characteristic examples of his work are shown in 86, 87, 88 and 89. Although sometimes apparently careless and too often rough, his lettering has the merit and charm of invariably disclosing the instrument and the material employed. Mr. Crane is especially fond of an Uncial pen form, which he varies with masterful freedom. It may be mentioned in passing that he is perhaps the only designer who has been able to make the wrongly accented Q seem consistent (compare 86), or who has conquered its swash tail when the letter is accented in this unusual way.

Mr. Lewis F. Day has become a recognized authority on lettering, both through his writings and his handiwork. His great versatility makes it difficult to select a specimen which may be taken as characteristic of his work; but perhaps the lettering shown in 95 is as representative as any that could be chosen. Among his designs the magazine cover, 93, is an unusually free and effective composition, and its letter forms possess the variety required to satisfy the eye when so much of the whole effect of the design depends upon them.



91.



92.



93.



94.

The style of lettering ordinarily employed by Mr. Selwyn Image—a style of marked originality and distinction—is well exhibited in the design for a book cover, 98.

The name of Mr. Charles Ricketts is intimately associated with the Vale Press. The detail of the title-page reproduced in 100 shows a characteristic bit of his work.

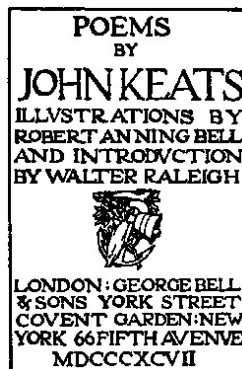
Mr. J. W. Simpson, one of the younger British draughtsmen, uses a graceful and interestingly linked Roman form shown in the panel from a title-page, 90. The bizarre letter by the same artist, 91, is fairly representative of a style recently come into vogue among the younger British draughtsmen, which is related to a form of letter brought into fashion by the new English school of designers on wood, among whom may be mentioned Mr. William Nicholson and Mr. Gordon Craig, both of whom have done lettering distinguished by its indication of the medium employed. Figure 92 shows Mr. Nicholson's favorite type of letter fairly, and the style of Mr. Craig's work is suggested by the title for a book cover in 94.

The book cover, 97, by Mr. Edmund H. New, shows variants of the Roman capital and minuscule forms, which closely adhere to classic models.

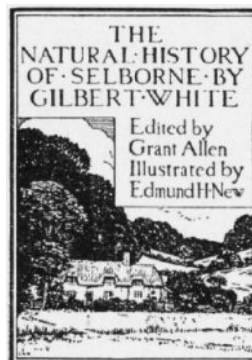
Mr. Robert Anning Bell has done much distinctive lettering in intimate association with design. Figure 96 is fairly representative of his style of work.



95.



96.



97.



98.

Such other British artists as Messrs. Alfred Parsons, James F. Sullivan, Hugh Thompson, Herbert Railton, Byam Shaw, H. Granville Fell and A. Garth Jones, although much better known for their designs than for their letters, occasionally give us bits of lettering which are both unusual and excellent; but these bits are commonly so subordinated to the designs in which they are used and so involved with them as to be beyond the scope of the present book.

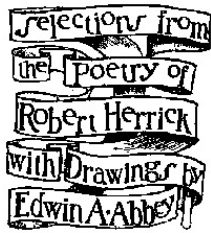
In illustrating the lettering of American artists it has been unfortunately found necessary to omit the work of many well-known designers, either because their usual style of lettering is too similar in fundamental forms to the work of some other draughtsman, or because the letters they commonly employ are not distinctive or individual.

ORIGINALITY OF
DESIGN · GOOD CRAFTSMAN-
SHIP · MODERATE CHARGES
CATALOGUES FREE

99.



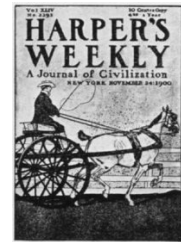
100.



101.



102.



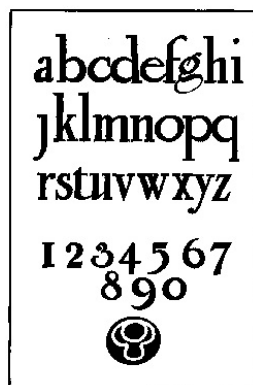
103.

Mr. Edwin A. Abbey is a notable example of an artist who has not disdained to expend both time and practice on such a minor art as lettering that he might be able to letter his own designs, as the beautiful page, shown in 153 in the succeeding chapter, will sufficiently prove. The lettering of the title-page for Herrick's poems, 101, by the same draughtsman, is likewise excellent, being both original and appropriate. The letters in both these examples are modeled after old work, and both display an unusually keen grasp of the limitations and possibilities of the forms employed, especially in the former, 153, where the use of capitals to form words is particularly noteworthy, while in general composition and spacing the spirit of the letter used (compare 179) has been perfectly preserved.

[100]



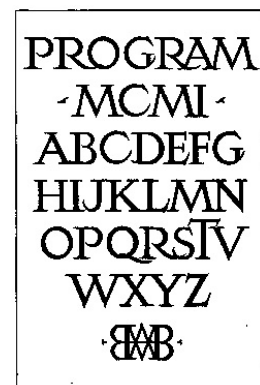
104.



105.



106.



107.

Mr. Edward Penfield's work first attracted attention through the series of posters which he designed for 'Harper's Magazine' with unfailing fertility of invention for several years. During this time he evolved a style of letter which exactly fitted the character of his work. The cover design shown in 103 displays his characteristic letter in actual use; while the two interesting pages of large and small letter alphabets by him, 104 and 105, show the latest and best development of these letter forms. The heading shown in 102 exhibits a slightly different letter, evidently based upon that used by Mr. Penfield.

[102]

The capitals by Mr. H. Van B. Magonigle, shown in 107, are derived from classic Roman forms but treated with a modern freedom that makes them unusually attractive. They appear, however, to better advantage in actual use in conjunction with a design, 106, than when shown in the necessarily restricted form of an alphabetical page panel.

Mr. Bertram G. Goodhue, whose designs for type have already been mentioned, is a most facile and careful letterer. Although his name is more intimately associated with Blackletter (examples of his work in that style are shown in the following chapter), he has devised some very interesting variations of the Roman forms, such as that used in 108, as an example.

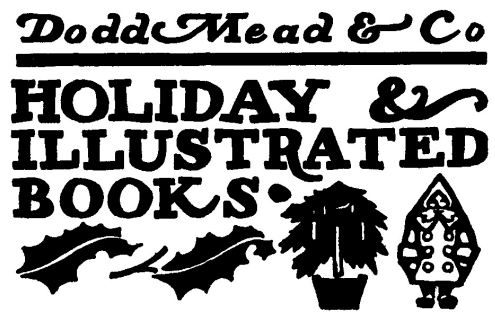
[104]

Mr. Will Bradley uses a very individual style of the Roman capital, often marked by a peculiar exaggeration in the width of the round letters, contrasted with narrow tall forms in such letters as E, F and L. Mr. Bradley has become more free and unconventional in his later work, but his specimens have always been noteworthy for beauty of line and spacing; see 111. Figure 109 shows his employment of a brush-made variant of the Roman form; and 110 shows both capitals and small letters drawn in his earlier and less distinctive style.

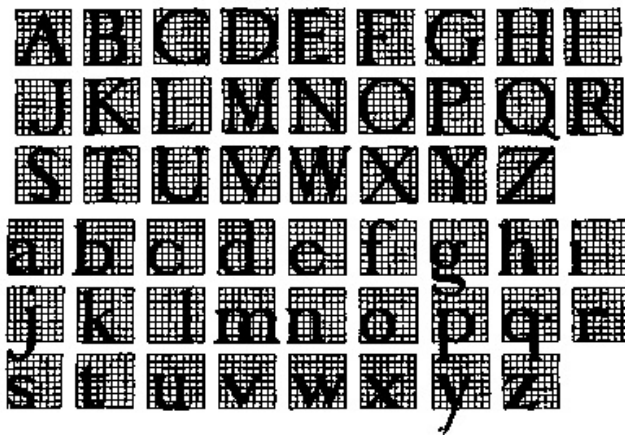
[107]

VAN·DYCK
 TITIAN
 VELASQUEZ
 HOLBEIN·YI
 BOTTICELLI
 REMBRANDT
 REYNOLDS
 MILLET
 GIOV·BELLINI
 MVRILLO
 HALS
 RAPHAEL

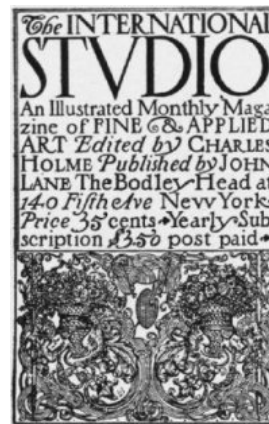
108.



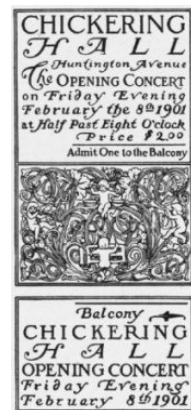
109.



110.



111.

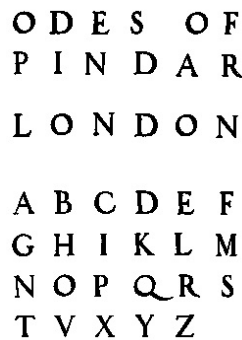


112.

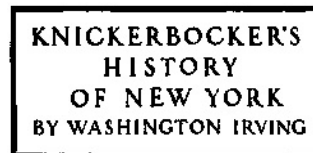
The ticket, 112, designed by Mr. A. J. Iorio, suggests what our theatre tickets might be made. In spacing and general arrangement of the letters and the freedom of treatment, Mr. Iorio's work may be compared with much of the work of Mr. Bradley. Figure 113 shows a modern Roman capital form modeled upon the work of Mr. Bradley. [110]



113.



114.



115.

BIGELOW, KENNARD AND CO
 WILL HOLD, IN THEIR ART
 ROOMS, MARCH 25 TO APRIL 6
 INCLUSIVE, A SPECIAL EXHIBI-
 TION AND SALE OF GRUEBY
 POTTERY INCLUDING THE
 COLLECTION SELECTED FOR
 THE BUFFALO EXPOSITION
 M D C C C C I

116.

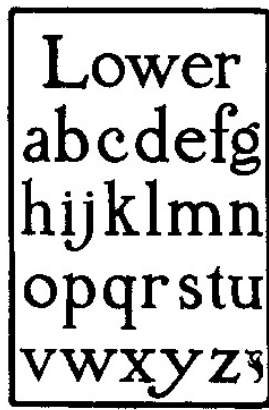
Mr. Maxfield Parrish commonly employs a widely spaced letter, fashioned closely after the old German models, beautiful in its forms, and displaying the individuality of the artist in its composition. The form and use of Mr. Parrish's usual letter is well shown in 114; and the title from a book cover design, 115, shows yet another

example of the letter in service.

The lettering of Mr. A. B. Le Boutillier is always notable for spacing and composition. Figures 117 and 118 exhibit excellent capital and small-letter forms (which, by the way, were drawn at the same size as the reproductions); and the two other specimens of Mr. Le Boutillier's work, 116 and 119, which are reproduced to show his letters in use, will be found exemplars for spacing, composition, balance of weight and color, and, in the latter drawing, for harmony between the lettering and the treatment of the design. [111]



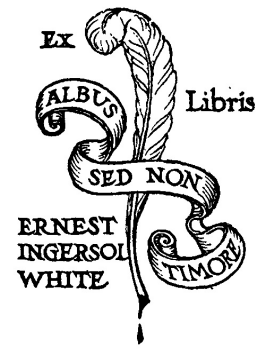
117.



118.



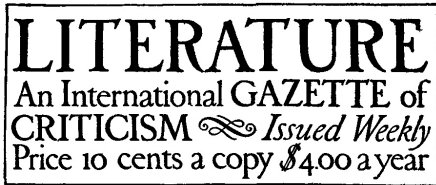
119.



120.

The form of letter preferred by Mr. Claude Fayette Bragdon is represented by the page of small letters, 59, which, as we have already said, are closely modeled on the type alphabet designed by Jenson. In Mr. Bragdon's version they represent an excellently useful and conservative style of small letter. They are shown in use, with harmonious capitals and italics, in the 'Literature' cover design, 121. In the small book-plate, reproduced in 120, Mr. Bragdon has used a very graceful variant, especially noteworthy for its freedom of serif treatment; and in the letter-heading, 122, he has employed an attractive capital of still different character.

[112]

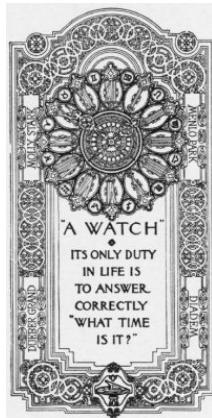


121.

GRUEBY FAIENCE COMPANY
MAKERS OF ENAMELED TERRA
COTTA. TILES. GRUEBY POTTERY
K AND FIRST ST'S, BOSTON. MASS

122.

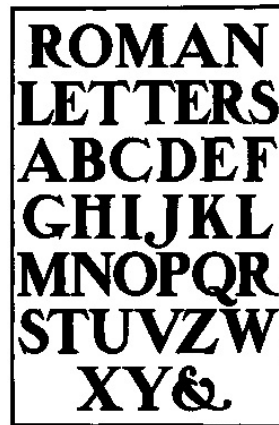
Mr. H. L. Bridwell has originated the singularly excellent letter shown in 124, which is founded upon some of the modern French architectural forms. He uses it with great freedom and variety in spacing according to the effect that he desires to produce. In one instance he will jam the letters together in an oddly crowded line, while in another we find them spread far apart, but always with excellent results as regards the design as a whole. Something of this variation of spacing is shown in 123. In the numerous theatrical posters which Mr. Bridwell has designed—and which too seldom bear his signature—he employs a great variety of lettering. Sometimes, of course, the freedom of his work is restricted by the conservatism of clients; but often the letter forms here illustrated add to the style and distinction of his designs.



123.



124.



125.



126.

Mr. Frank Hazenplug, the author of much clever decorative lettering, has evolved a very black and striking style of capital that still retains grace. Figures 125 and 126 show two sets of Mr. Hazenplug's capitals. A book cover on which he has used small letters in an original way is reproduced in 127. Figure 129 shows the employment of a heavy-faced letter similar to that exhibited in alphabet 126, but suggestive in its serif treatment of Mr. Penfield's letter.

[116]

Mr. Edward Edwards employs a letter, 128, which, though rather conventional in its lines, is noteworthy for its treatment of serifs and its spacing.

Mr. Guernsey Moore's letters shown in 130 are naturally better both in intrinsic form, spacing and composition than the widely used "Post Old Style" types which were based upon them. The large and small letters displayed in 133 show a form that, at the present writing, seems to be in considerable favor. It is, however, too extreme, and its peculiarities are too exaggerated to allow

**HARPER'S
PICTORIAL HISTORY
OF THE
WAR WITH SPAIN**

128.

it to become a permanent style. But like the extravagant German forms already referred to, it has also apparent advantages; and a few of its characteristics are not unlikely to survive in some more conservative adaptation.



129.

The letter by Mr. Harry Everett Townsend shown in 131 is most distinctive in effect—a more refined form of the rapidly drawn character



127.

shown in 138.

**MIDWINTER
ROMANCE
NUMBER**

**An Illustrated
Weekly Magazine
Founded A.D. 1728
by Benj. Franklin**

130.

Mr. Howard Pyle often gives us charming bits of lettering in connection with his illustrations. The heading, 132, shows a characteristic line. Most of

Mr. Pyle's lettering is "Colonial" or Georgian in style, though the initials he uses with it are generally rendered in the fashions of the early German woodcuts, somewhat similar to Holbein's initials for the "Dance of Death."

One of the most original of American letterers is Mr. Orson Lowell. Usually closely conjoined with design, his lettering does not show to its full value when reproduced apart from its surroundings, for much of its charm depends upon its harmony in line and color with the accompanying drawing Mr. Lowell

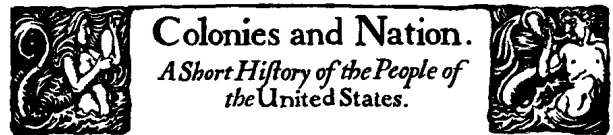
[117]

[118]

INTERLVDES
beneath the lines of **SIR RICHARD LOVELACE'S** POEM called — "To Lucafta on going to the vvars" which saith :

131.

has taken the same basic forms as those used by Mr. Penfield, and has played with them until he has developed a series of most ingenious and fanciful letters. The examples reproduced in 136 and 137 but inadequately show a few of the many forms that Mr. Lowell employs with remarkable fertility of invention and delightfully decorative effect of line. The small letters, 135, shown opposite his capitals, 134, are not by Mr. Lowell, nor are they in any way equal to his own small letters, of which regrettably few appear in his published work; but they may serve to exhibit a similar method of treating a much more conventional form of minuscule than Mr. Lowell would himself use for the same purpose. Despite its unconventionally, however, an examination of Mr. Lowell's work will show that each letter has been developed to fit the space between its neighbors and to balance and relieve their forms; and that, fanciful as some of the shapes may appear, they have invariably been knowingly worked out, and always appear harmonious and fit.

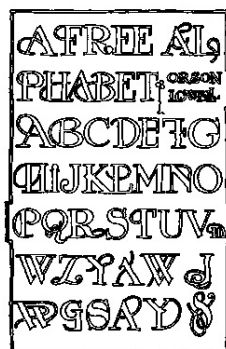


132.

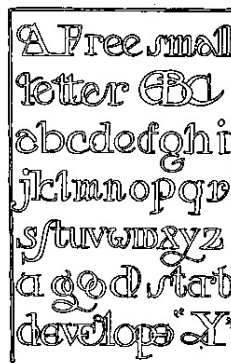
[122]



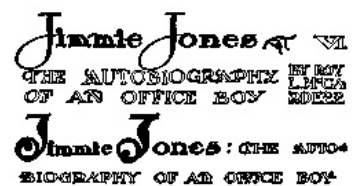
133.



134.



135.



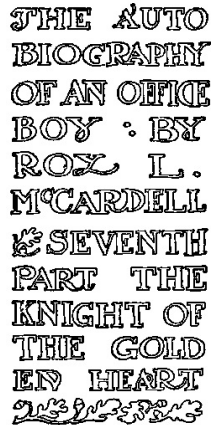
136.

The pages of letters shown in 138, 139 and 140 are intended to suggest forms which, while suitable for rapid use, yet possess some individuality and character. The so-called "Cursive" letter by Mr.

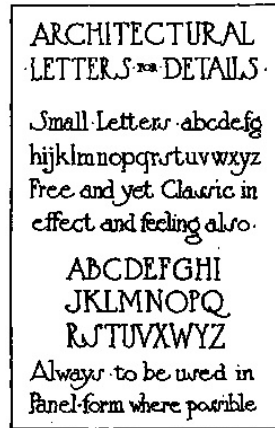
Maxfield Parrish, 140, is particularly effective for such informal use—in fact, its very charm lies in its informality—and is quite as distinctively "pen-ny" as any of Mr. Crane's work of the same kind.

A glance over the field of modern examples will disclose, first, a general tendency to break away from the older type models in pen-drawn forms; second, a growing partiality for the small letter, and third, a sporadic disposition to use capital and minuscule forms interchangeably. The first trend may be noticed by comparing the letter shown in 132, which is closely modeled after type, with that shown in 136, in which an opposite method is followed, and the letters are so treated in handling form and color as to best harmonize with the design itself. The possibilities latent in the small letter are indicated by such interesting uses as those shown in figures 77, 89, 98, 101, 111, 112, 121, 127, 130 and 131. American designers seem to be especially interested in the development of the small letter. Of the intermingling of the capital and small letter shapes examples may be found in figures 71, 75, 77, 78, 79, 82, 83, 84, 98, 127 and 134. In these examples it will be noted that the minuscules seem to be more easily transformed into capitals than do the capitals into minuscules; only a few of the latter appearing to lend themselves harmoniously to the small letter guise.

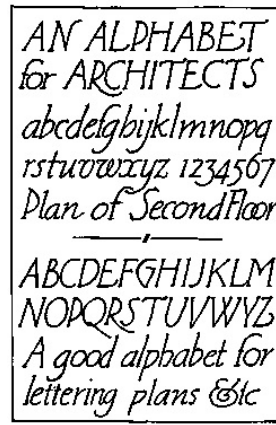
[123]



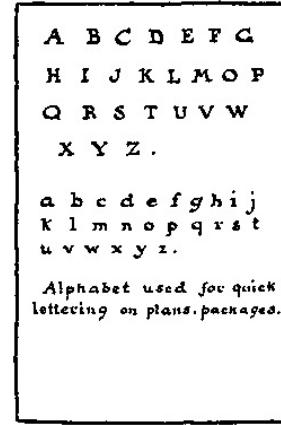
137.



138.



139.



140.

Such tendencies as these, if allowed to develop slowly and naturally, are certain to evolve new forms—a process of modification which it should be fully as instructive and entertaining to observe as any of the historical changes that have already become incorporated into our present letter shapes.

[127]

CHAPTER III GOTHIC LETTERS

The name "Gothic" applies rather to the spirit than to the exact letter forms of the style. The same spirit of freedom and restlessness characterises the architecture of the period wherein this style of letter was developed; and Gothic letters are in many ways akin to the fundamental forms of Gothic architecture. Their effect is often tiring and confusing to the eye because of the constant recurrence of very similar forms with different letter meanings; yet this very similarity is the main cause of the pleasing aspect of a page of Gothic lettering.

Unlike the Roman letters, which attained a complete and final development, Gothic letters never reached authoritative and definitive forms, any more than did Gothic architecture. Every individual Gothic letter has several quasi-authoritative shapes, and all of these variants may be accepted, as long as they display an intelligent conception of the spirit of the style as a whole. Because of this lack of finality, however, it is impossible to analyze each of the letter forms as we were able to do with the Roman alphabet in Chapter I; yet this very variability and variety constitute at once the peculiar beauty of Gothic and the great difficulty of so drawing it as to preserve its distinctive character.

Any letter of Gothic form is usually called either "Gothic" or "Blackletter" indiscriminately, but this use is inexact and confusing. The term "Blackletter" should, strictly, be applied only to letters in which the amount of black in the line overbalances the white; and the proper application of the title should be determined rather by this balance or weight of the letter than by its form.

[128]

The original Gothic letter was a gradual outgrowth from the round Roman Uncial. Its early forms retained all the roundness of its Uncial parent; but as the advantages of a condensed form of letter for the saving of space became manifest, (parchment was expensive and bulky) and the beauty of the resulting blacker page was noticed, the round Gothic forms were written closer and narrower, the ascenders and descenders were shortened, with marked loss of legibility, that the lines of lettering might be brought closer together, until a form was evolved in which the black overbalanced the white—the Blackletter which still survives in the common German text of today. Thus, though a Gothic letter may not be a Blackletter, a Blackletter is *always* Gothic, because it is constructed upon Gothic lines. On the other hand, a Roman Blackletter would be an

[131]

obvious impossibility. The very essential and fundamental quality of a Roman letter lies in the squareness or circularity of its skeleton form.

For clearness and convenience, then, the following discrimination between the terms Gothic and Blackletter will be adopted in this treatise: When a letter is Gothic but not a Blackletter it will be called "Round Gothic"; when it is primarily a Blackletter it will be termed "Blackletter," the latter name being restricted to such compressed, narrow or angular forms as the small letters shown in 144, 147 and 148. The name "Round Gothic" will be applied only to the earlier forms, such as those shown in 141 and 142. Such a distinction has not, I believe, hitherto been attempted; but the confusion which otherwise results makes the discrimination seem advisable.



141.

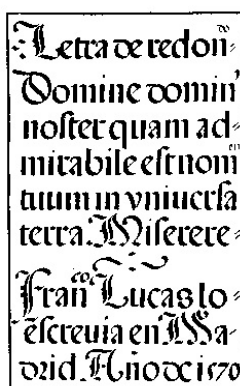
The three pages of examples, figures 141, 142 and 143, exhibit the characteristic forms and standard variations of the Round Gothic. In lieu of any detailed analysis of these letter shapes, it may perhaps be sufficient to say that they were wholly and exactly determined by the position of the quill, which was held rigidly upright, after the fashion already described in speaking of Roman lettering; and that the letters were always formed with a round swinging motion of hand and arm, as their forms and accented lines clearly evidence; for the medieval scribes used the Round Gothic as an easy and legible handwritten form, and linked many of the letters.

[132]

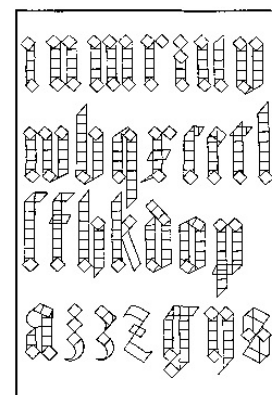
Figures 158, 170, 172 and 173 show some capitals adapted for use with these Round Gothic letters; but the beginner should be extremely wary of attempting to use any Gothic capitals alone to form words, as their outlines are not suited for inter-juxtaposition. Occasionally they may thus be used, and used effectively, as is shown, for instance, in the beautiful page of lettering by Mr. Edwin A.



142.



143.



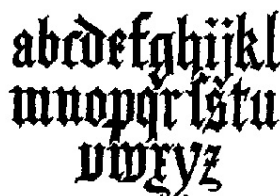
144.

Abbey, 153; but so successful a solution is rare, and implies an intimate knowledge of the historic examples and use of Gothic lettering.

The late Gothic or Blackletter is condensed and narrowed in the extreme. No circles are employed in the construction of the small letters, which have angular and generally acute corners. As in all pen-drawn letters, the broad lines are made on the down right-sloping strokes, and the narrow lines are at right angles to these. Blackletter shapes, like those of the Round Gothic, cannot, as has been said, be defined by any set of general rules; the intrinsic quality of all Gothic letters almost demands a certain freedom of treatment that would transgress any laws that could be formulated. Indeed the individual forms should always be subservient to the effect of the line or page. Observe in almost every example shown how the form of the same letter constantly varies in some minor detail. The drawing by Albrecht Dürer, reproduced in 144, will, however, serve to show the construction of an excellent Blackletter, which may fairly be considered as typical.

[134]

The first essential of a good Blackletter line or page is that it shall be of a uniform color. Unlike the Roman, the Blackletter form does not permit that one word be wider spaced than others in the same panel. The amount of white left between the several letters should be as nearly as possible the same throughout, approximately the same as the space between the perpendicular strokes of the minuscule letters themselves. Usually, the less the white



145.



146.

space the better will be the general effect of the page, for its beauty depends much upon a general blackness of aspect;—and let it be noted in passing that, for this reason, it is doubly difficult to judge of the final effect of a Blackletter page from any outlined pencil sketch. Even in the cases of those capital letters that extend both above and below the guide lines it will be found possible to so adjust the spaces and blacks as not to interrupt the general uniformity of color, and it is sometimes advisable to fill awkward blanks by flourishes; although flourishing, even in Blackletter, is an amusement that should be indulged in cautiously. As a general rule the more solidly black a panel of Blackletter is the better (a principle too often disregarded in the modern use of the form); though on the other hand, the less legible the individual letters will become. The

[135]

designer should therefore endeavor to steer a middle course, making his panel as black as he can without rendering the individual letters illegible.

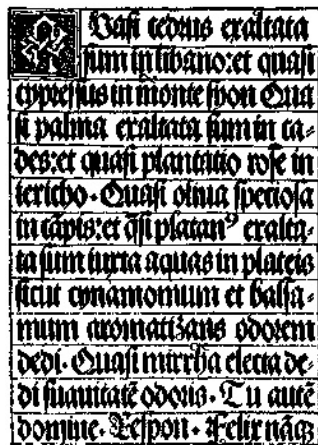
No style permits more of liberty in the treatment of its separate letter forms than the Blackletter. The same letter may require a different outline at the beginning of a word than in the middle or at the end. The ascenders and descenders may be drawn so short as hardly to transcend the guide lines of the minuscules, or may grow into flourishes up and down, to the right or to the left, to fill awkward blanks. Indeed so variable are these forms that in ancient examples it is often difficult to recognize an individual letter apart from its context. [136]

The two pages drawn by Mr. Goodhue, 188 and 189, deserve careful study as examples of modern use of the Blackletter. It will be observed that almost as many variants of each letter are employed as the number used would permit, thus giving the panel variety and preventing any appearance of monotony or rigidity. Notice the freedom and variety of the swash lines in the capitals, and yet that each version is quite as graceful, logical and original as any of its variants.

The examples of old lettering reproduced in figures 147, 148 and 149, together with the drawings by Mr. Goodhue, will indicate the proper spacing of Blackletter; but in most of the pages here devoted to illustrating the individual forms the letters have been spaced too wide for their proper effect that each separate shape might be shown distinctly. The style appears at its best in compositions which fill a panel of more or less geometrical form, as, for example, the beautiful title-page reproduced in 147. Could anything be more delightful to the eye than its rich blackness, energetic lines, and refreshing virility? In this design surely we have a specimen that, from the proportion and balance of its blacks, is more effective than anything which could have been accomplished by the use of the more rigid Roman letter; but despite its many beauties it suffers from the inherent weakness of the individual letter forms,—it is more effective than readable!



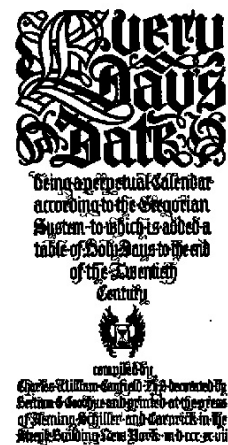
147.



148.



149.



150.

Another excellent example of the old use of Blackletter is the page from the prayerbook of the Emperor Maximilian, shown in 148, in which observe again the variety of the individual letter forms. Figure 149 shows [138] the use of a Blackletter on an admirable monumental brass, which is reputed to have been designed by Albrecht Dürer. A similar Blackletter form, also from a brass, is shown at larger scale in 186.

Any of the minuscule forms of Blackletter which have been illustrated may be used with the Gothic capitals of figures 164-5, 166, 177, 179, 185, 188-9; or with such Uncial capitals as are illustrated in 155 to 162; care being taken, of course, that these capitals are made to agree in style and weight with the small letters chosen. Although Uncial capitals are historically more closely allied with the Round Gothic, we have abundant precedent for their use with the minuscule Blackletter in many of the best medieval specimens. [139]

When the Gothic Uncial capitals were cut in stone and marble there was naturally a corresponding change in character, as is shown in the Italian examples illustrated in 160 and 161. These examples, which are reproduced from rubbings, exhibit the characteristic stone cut forms very clearly. A Gothic Uncial alphabet redrawn from a German brass is illustrated in 162. The group of specimens from 154 to 159 exhibit the chronological growth of the Uncial capitals, which were used, as has been said, with the various small Blackletter forms, though they were also used alone to form words, as is shown in 160. The historical progression in these Uncial examples is most interesting; and, allowing for the variations of national temperament, traces itself connectedly enough. Figures 154 to 159 are pen forms, while 160 to 163 are from stone or metal-cut letters. [140]

Figures 164 to 166 show alphabets of Gothic pen-drawn capitals that will serve as a basis for such adaptations as are shown in the modern examples 152 and 153. Figures 167 to 169 show a more elaborate but an excellent and typical variety of this form of capital, which is one of the most beautiful and distinctive of Gothic letters. Shorn of its fussy small lines the main skeleton is eminently virile; and, though extremely difficult to draw, it cannot be surpassed for certain limited uses. Figures 170 to 173 exhibit a group of Gothic capitals more or less allied in character

and all pen letters. Figures 174 to 176 show forms similar to those of the previous group, but adapted for use in various materials.



151.



152.



153.

[141]

Figures 177 to 179 show some English Gothic letters, the last being that employed so effectively in the pen-drawn page by Mr. Abbey, 153. Figures 180 to 184 illustrate various forms of Blackletter: 180 is from a German brass, 182 illustrates an Italian pen form, and 183 and 184 show Blackletters drawn by Albrecht Dürer, the latter being the simplest and strongest variant in this style. It is the same letter that is employed to show Blackletter construction in diagram 144. Figure 185 shows the well-known and unusually beautiful initials designed by Dürer. Figure 186 is a Blackletter from an English brass, although the letter forms in this example, as well as those of many other English brasses, may perhaps have been derived from Flanders, as many of the finest early Continental brasses were imported from the Netherlands.

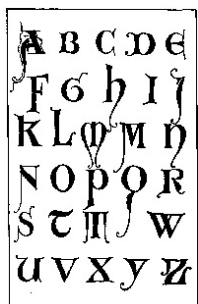
The Italian forms of Gothic Blackletters are generally too fussy and finikin to be of practical value for modern use, though they often possess suggestive value. The letters shown in 182 are fairly typical of the characteristic Blackletter minuscules of Italy. Figure 187 exhibits an example of beautiful lettering in the Italian style, redrawn from a rubbing of an inlaid floor-slab in Santa Croce, Florence. The omission of capitals in long, confined lines is typical of many Blackletter inscriptions, as may be seen in 149, as well as in the plate just mentioned.

In view of the number of fine specimens of Blackletter which have been handed down to us, it has been deemed unnecessary to reproduce many examples of its employment by modern draughtsmen. The pages by Mr. Goodhue, 188-9, have already been referred to; and figure 150 shows a very consistent and representative use of similar letter forms by the same designer. Figures 190 and 191 illustrate two modern varieties of Blackletter, one very simple and the other very ornate. The small cuts, 151 and 152, show excellent modern Blackletters; the first, of unusually narrow form, being by Herr Walter Puttner, and the second, with its flourished initials, by Herr Otto Hupp.

[142]



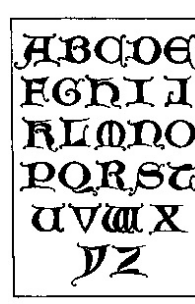
154.



155.



156.



157.



158.



159.



160.



161.



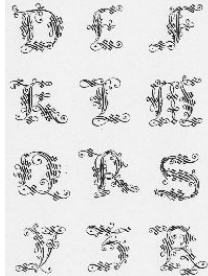
162.



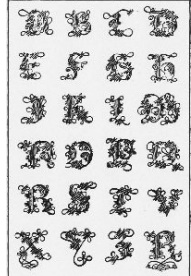
163.



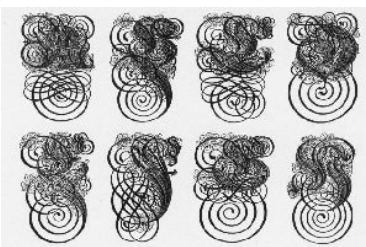
164.



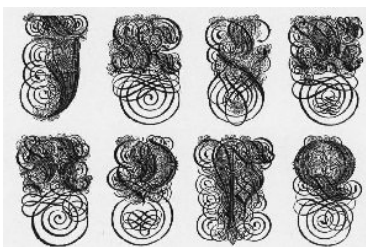
165.



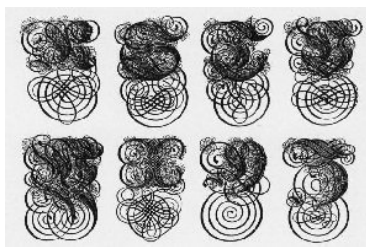
166.



167.



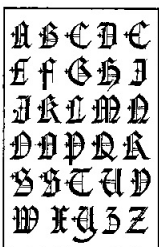
168.



169.



170.



171.



172.



173.



174.



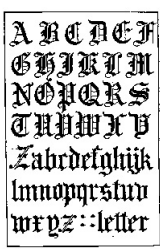
175.



176.



177.



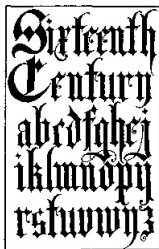
178.



179.



180.



181.



182.



183.



184.



185.



186.



187.



188.



189.



190.



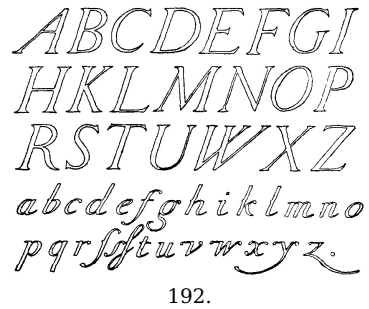
191.

CHAPTER IV

ITALIC AND SCRIPT

The regrettable modern neglect of those free and very interesting forms of the Roman letter, Italic and Script, seem to authorize consideration of them in a separate chapter, even at the risk of appearing to give them undue importance.

The first Italic type letter was derived, it is said, from the handwriting of Petrarch, and several admirable examples of the style, variously treated, have come down to us. As far as construction goes Italic is, theoretically, only the exact Roman form sloped, and with such changes as are necessitated by the sloping of the letters. Practically, however, it will be found that certain alterations in the outlines of the Roman letters must be made after giving them a slope in order to adapt them to their new requirements of inter-juxtaposition; and, by a reflex action, when words in Italic capitals are used in the same panel with upright Roman letters, certain variations must be made in the latter, such as accenting the Roman O in the same fashion as the Italic O is accented, an altered treatment of serifs, and other changes in detail.

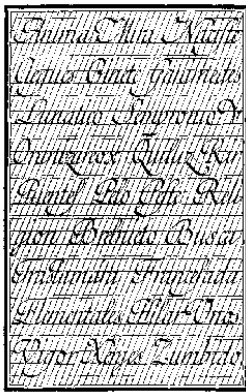


192.

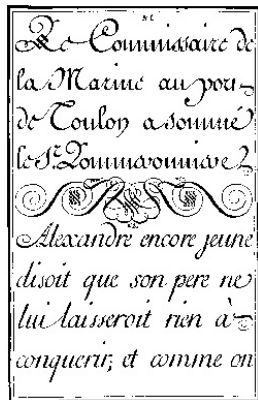
The Script form of letter was developed out of the running or writing hand, and still retains a cursive tendency in the linking together of its letters; although in some forms it so closely approximates to Italic as to be almost indistinguishable from it. Script lettering came into its greatest vogue during the Georgian period in England and at the same time in France; and was extensively employed, usually in conjunction with the upright Roman, in carved panels of stone or wood, and in engraving. The Script forms are well worthy of the attention of modern designers since they offer unusual opportunities for freedom and individuality of treatment; and because of this vitality and adaptability to modern uses the present chapter will be devoted largely to the illustration of Script examples.

[183]

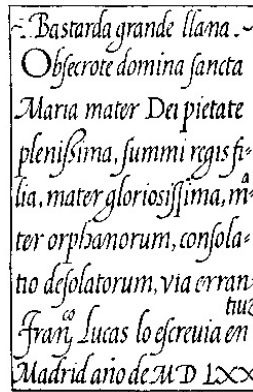
The old Spanish and Italian writing-books (referred to in a previous chapter), which in a measure took the place filled so much less artistically to-day by our modern school copybooks, contain many specimens of beautiful Script, both capitals and small letters. Figures 193 to 196 show pages from such books published in Spain.



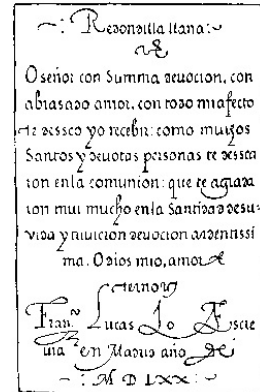
193.



194.



195.

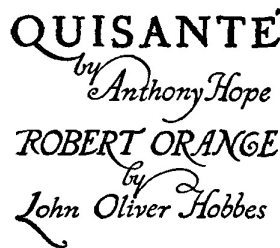


196.

A simple type of Spanish capital Script letter is shown in 201, while a corresponding small letter, redrawn from a Spanish source, is illustrated in 202. It should be noted in the latter figure that the three lower lines are further removed from the ordinary writing hand and are more interesting than the letters in the three upper lines.

[188]

The French artists and engravers were, as has been said, among the first to appreciate the qualities of Script, and used it in many of their engraved title-pages, especially during the reigns of Louis xv. and xvi. Figure 199 shows a set of French Script capitals of the time of Louis xv., highly flourished but more formal than those shown in 201.



197.



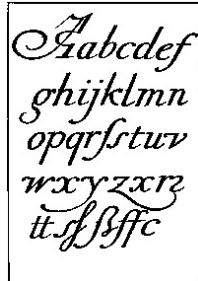
198.

A form of Script very nearly allied to the Italic was frequently used for the lettering on headstones and wall tombs in the churches and churchyards of England. Figure 203, in which the lettering is taken from a tomb in Westminster Abbey, illustrates this style of Script.

A set of Script small letters with some unusual characteristics, adapted by Hrachowina from the German Renaissance form shown in outline in 192, is exhibited as a solid letter in figure 200.



199.



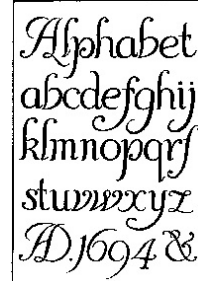
200.



201.



202.

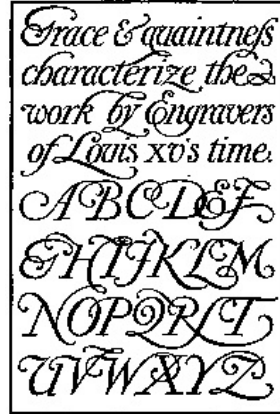


203.

[194]



204.



205.



206.



207.

Among modern American designers, Mr. Bruce Rogers has admirably succeeded in catching the French and Georgian spirit in his treatment of the Script characters; yet, nevertheless, his lettering in this style is still modern in feeling. In the title from a book cover, 204, Mr. Rogers has allowed himself just the proper amount of interlacement and flourishing—both of which require the restraint of a subtle taste or the result may prove to be over-elaborate. The page of lettering by the same designer, shown in 205, is a successful solution of a difficult problem, and, together with the book cover, will serve to exhibit the possibilities of this style of Script.

Mr. George Wharton Edwards is another modern designer who has a penchant for the Script form. He uses one distinctive and personal style of it in which the larger letters are formed by two black lines separated by a narrow white space, as exhibited in 198.

The lines from an advertisement, 197, by Mr. Claude Fayette Bragdon, in which Script, Italic and Roman letters are combined, are of especial interest from the easy manner in which the three different styles have been adapted to each other and made to harmonize in one small panel, while still preserving an appropriate Georgian aspect. The interlacement and flourishing, too, are handled with commendable restraint.

[198]

Few modern artists have so successfully treated Italic capitals with Script freedom as Mr. Will Bradley. Sometimes employing forms of Italic capitals and small letters little removed from type, he will again give us an example of his handiwork in which Italic is used with exemplary freedom, as is shown in the specimen from a book catalogue, 109. The modern trick of wide spacing often lends itself aptly to the swing and freedom of the swashed and flourished lines of Script, as may be seen in figure 207.

An excellent modern Script letter, adapted from a design by Mr. Frank Hazenplug, is shown in 206. Its heavy face and originality of form make it a useful and pleasing variant.



208.



209.

The magazine heading, by an anonymous designer, 208, and the line from the pen of Mr. Edward Penfield, 209, suggest still other useful varieties of the Script form.

[199]

CHAPTER V

TO THE BEGINNER

The beginner in any art or craft is likely to have an undue respect for the mere instruments of his

trade. He will eventually learn that tools play a much less important part in his work than he at first thinks; but, as it is unlikely that any sudden change in human nature will occur, it seems as well to devote here some consideration to the tools which the student will always believe to be an important part of his equipment. He will ultimately ascertain for himself what is best adapted to his own individual needs.

Though every draughtsman will recommend a pen that he has discovered to be especially suitable for his own use, few will be found to agree. Perhaps it is safe to say, however, that the best all-round pen for lettering is the Gillot No. 303. It is not too sharp, and when broken in is flexible and easy. The crowquill pen will be found of little use. It is an advantage to have at hand a large coarse pen of little flexibility and smooth point for drawing heavy lines of even width. In using water-color in place of ink such a pen will be found more satisfactory than the Gillot 303, as the thinness of the fluid causes the line to spread whenever pressure is applied to a limber and finely pointed pen, with the result that the line is not only broadened, but when dry shows darker than was intended, as more color is deposited than in a narrow line. When a narrow line of even width and sharpness is desired it is best to use a new pen; an older pen will, on the other hand, allow of more ease in swelling and broadening the line under pressure. A thin dry line may be obtained by turning the pen over and drawing with the back of the nib, although if the pen so used be worn it is apt to have a "burr" over the point that may prevent its working satisfactorily in this way. A new hard pen is likely to be the cause of a "niggling" line; a too limber one of a careless or undesirably broad line. On rare occasions, and for obtaining certain effects, a stub pen may be found of value, but it cannot be recommended to the beginner, as it is very difficult to find one that has sufficient flexibility of nib. Quill pens are undoubtedly useful in drawing a few types of letters (see some of the designs by Mr. Walter Crane shown in previous pages, for examples) but, not to allude to the difficulty of properly pointing a quill, which seems to be a well-nigh lost art nowadays, the instrument possesses so many annoying peculiarities that it is as well to avoid its use until a satisfactory command over the more dependable steel pens has been obtained.

[200]

A pencil is, of course, a necessity in laying out the first scheme for lettering. The softer the pencil the more felicitous will the composition seem; but the beginner should guard against being too easily pleased with the effect thus obtained, as it is often due to the deceptive indefiniteness of line and pleasant gray tone. When inked-in, in uncompromising black against the white paper, the draughtsman is apt to find that his sketch has developed many an imperfection, both in composition and in individual letter shapes, that the vague pencil lines did not reveal.

[201]

As to paper, Bristol-board has the best smooth surface for lettering. The English board is in some ways better than the American, but has the disadvantage of being made in smaller sheets. The difficulty with any smooth board is that erasures, even of pencil lines, are likely to spoil its surface. The rough "Strathmore" American board has a very grateful surface upon which the pen may be used with almost as much freedom as the pencil. All rough surfaces, however, while tending to promote interesting lines, are not suited for careful lettering, and the classic and Italian forms especially require to be drawn upon the smoothest possible surface. The American "Strathmore" board may also be obtained in smooth finish; and, indeed, is less injured by erasures than most Bristol-boards.

The prepared India or carbon inks such as "Higgin's" or "Carter's" are best for the beginner; although all prepared inks have a tendency to get muddy if allowed to stand open, and the so-called "waterproof" inks are easily smudged.

In devising a panel of lettering, such as a title-page for example, the draughtsman's first step would naturally be to sketch out the whole design at a very small size, say an inch and a half high, in pencil. This small sketch should determine, first, the general balance of the page; second, the inter-relations and spacings of the various lines and words and their relative importance and sizes. From this thumb-nail sketch the design should be drawn out at full size in pencil, and much more carefully. In this redrawing the separate letter shapes and their harmonious relations to each other should be determined, and such deviations made from the smaller sketch as seem to benefit the effect. Some draughtsmen sketch out each line of lettering separately on thin paper, and then, after blackening the back of this sheet, lay each line over the place where it is needed in the design, tracing the outlines of the letters with a hard point, and thus transferring them to the design beneath. In this way a page of lettering may be studied out line by line, and accurately placed or centered; but the process is tedious, and there is always danger of losing sight of the effect as a whole.

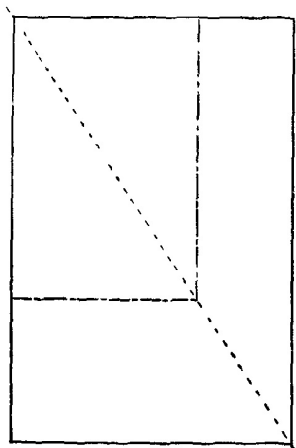
[202]

In outlining letters which are ultimately intended to be solidly blacked-in, the beginner should guard against making his outlines too wide, especially as regards the thin lines, for the eye in judging an outline sketch follows the insides of the bounding lines rather than the outsides which will really be the *outlines* of the blacked-in letter, so that when finished the letter is likely to look heavier and more clumsy than in the sketch.

When the entire pencil scheme seems satisfactory in every detail, and each line has been exactly determined, the whole should be carefully inked-in. In inking-in letters the swing of the arm should be as free and unobstructed as possible. For the best result it is absolutely necessary to work at a wide board on a solid table of convenient height and angle. It is impossible to letter well in a cramped or unsteady position. One thing cannot be too strongly urged upon the beginner. Never use a T-square, triangle or ruling pen in inking-in lettering. It will be found ultimately much easier to train hand and eye to make a straight and true line free-hand than to

attempt to satisfactorily combine a ruled and free-hand line. The free-hand method is, be it acknowledged, both more lengthy and difficult at first, but when the draughtsman does finally gain a mastery over his line he has achieved something which he will find of the greatest value. [203]

In a drawing to be reproduced by mechanical processes, the proportions of the design are, of course, unalterably determined by the required panel or page; but the *size* of the *drawing* may be such as best suits the inclination and convenience of the draughtsman. If the drawing is to be reduced in size (and that is the usual method, because, in general, it is easier to draw large rather than small), the draughtsman must first decide on the amount of reduction to which his style of rendering and the subject itself are best adapted, remembering, however, that a drawing is sure to suffer from excessive reduction, not only in general effect but in interest, for the quality of the line is sure in a measure to disappear. A reduction of height or width by one-third is the usual amount; but many of our modern designers obtain their best effects by making their drawings but a trifle larger than the required reproduction. Some even make their drawings of the same size; others only from a twelfth to a sixth larger. As a rule, the less the reduction the less the departure from the effect of the original, and the more certainly satisfactory the result, although more careful drawing and greater exactness of line are necessary.



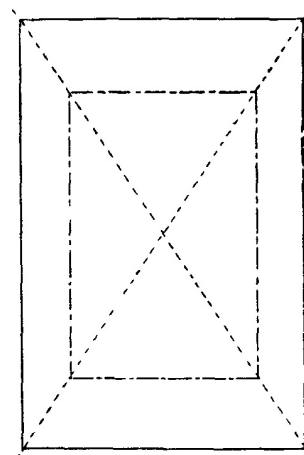
210.

To keep the outlines of a panel in the same proportion while enlarging its area for the purpose of making a drawing for reproduction, lay out the required *finished* size of the panel near the upper left hand corner of the paper, and draw a diagonal line through the upper left hand and lower right hand corner of this panel, extending it beyond the panel boundaries. From any given point along this diagonal, lines drawn parallel to the side and top lines of the original panel, and extended till they intersect the extended left side line and top line of the original panel, will give an outline of the same proportions as the required panel. By taking various points on the diagonal, panels of any height or width but still of the proper proportions may be obtained (see diagram 210). Diagram 211 illustrates a variation of the previous method of enlarging the proportions of a panel, in which, by the use of two diagonals, both perpendicular and horizontal center lines are retained. [204]

When it is necessary to lay out a border of a predetermined width within the required panel, the foregoing method can only be used to determine the *outside* lines of such a border, and it becomes necessary to make the drawing some numerical proportion, say, one-half as large again, or twice as large as the finished panel. The width of the border will then be of the same proportionate width.

The beginner will find it always wise to base his lettering on penciled top and bottom guide lines, and occasionally to add "waist" guide lines, as in 193. Indeed, it is rare that even accomplished letterers dispense with these simple aids. These guide lines should invariably be laid-in with the T-square and triangle. After drawing the horizontal guides, it is often advisable to run a few perpendicular lines up and down the paper, which will serve to guard against the very common likelihood of the letters acquiring a tilt. In drawing Italic, Script, and all sloping letters numerous sloping guide lines are especially necessary; see 193. Perpendicular guide lines will be found of marked assistance, also in drawing Gothic small letters, which, as they do not come against the top and bottom guide lines squarely, but at an angle, are often deceptive. [205]

If it is desirable to make two lines of lettering of the same length, although they contain an unequal number of letters, this may be effected—provided, of course, that the number of letters does not vary too greatly—by broadening or narrowing the letters that occur in one line but not in the other, and by varying the spacings about the i's and the open letters. Note, for example, the spacing of the upper lines in the poster by Mr. Crane, 87. It is by no means essential to draw the same letter always exactly alike even in the same line; in fact, variation is generally demanded by the different surroundings and neighboring letters. So long as the general character of the letter remains unchanged in its distinctive features, such as weight, treatment of serifs, angles, height of waist and cross lines, etc., its width and outlines may be varied and arranged to help out the spacing without interfering, to any noticeable extent, with the uniform appearance of the line.



211.

In Roman lettering emphasis may be obtained for any special word by spacing its letters farther apart. This has something of the same emphasizing effect as the use of Italic, without so greatly breaking the harmony of the line. Much of the lettering of the Italian Renaissance shows a very subtle appreciation of this use, and in some of the most beautiful inscriptions the important words are often so differentiated, while others are emphasized by slightly larger characters. [206]

As a general rule, and within certain limits, the wider a letter the more legible it is likely to be. Blackness and boldness of stem alone will not make a letter readable. Width, boldness of hair lines and serifs, and a proper amount of surrounding white space are more essential. The Roman

letter is more legible than the Blackletter mainly because it is black against a roomy white ground; while Blackletter, on the contrary, is really defined by small interrupted areas of whites upon a black ground.

A common limitation of many draughtsmen is that they become accomplished in the rendering of but one style of letter, and find themselves obliged to use it on all occasions, whether it be suited to the work in hand or not, because they can command no other. In the case of certain designers, of course, the individuality of their work is strong enough to bind both lettering and design so closely together that they can never seem at dissonance; but, speaking generally, the adherence to the use of but one type of letter can be but narrowing. The beginner is urged, therefore, to practice the use of many styles, even at the expense of gaining an immediate mastery over no one form. He will find himself amply repaid in the end by the increase in freedom and variety. [207]

While the student should possess enough knowledge of the historic styles and examples of lettering to prevent him from using incongruous or anachronous forms in the same design, historic accuracy need not prevent him from engrafting the characteristics of dissimilar styles upon one another, provided that the results prove harmonious and appropriate.

Finally, the draughtsman's first aim should be to make his lettering readable: after this has been accomplished he should strive to give it beauty. Art in lettering is only to be attained by solving the problem of legibility in the way most pleasing to the eye. Good lettering should appeal both to the eye and to the mind. Only when it combines legibility with beauty can it be excellent.

INDEX

- A., 6, 9.
- Abbey, Edwin A., 97, 132, 140.
- Accenting, of Blackletters, 132;
 - of Roman Capitals, 2;
 - of Minuscules, 56;
 - of Round Gothic, 132;
 - of Italic and Script, 182.
- American Lettering, Modern Roman, 53, 64, 75, 82, 97;
 - Classic Roman, 3, 14;
 - Gothic, 132, 136, 140, 142;
 - Italic, 194, 198;
 - Script, 194, 198.
- Anglo-Saxon Letters, 46, 47;
 - modern use of, 46.
- Ascenders, height above body, 57;
 - in "Cheltenham Old Style" type, 71;
 - in Gothic, 131;
 - in Blackletters, 135.
- Ashbee, C. R., 74.
- Auriol, George, 88.

- B., 6.
- Badia, Florence, lettering from, 45.
- Bell, Robert Anning, 96.
- Blacked-in letters, 202.
- Blackletters, 127, 131, 132, 140, 141, 142;
 - accents of, 132;
 - ascenders and descenders of, 135;
 - capitals for use with, 134, 136, 139;
 - a condensed form of Gothic, 128;
 - construction of, 132, 141;
 - definition of, 128, 131;
 - effect of page of, 132;
 - with Roman letters, 72;
 - even color of, 134;
 - flourishes, 135;
 - individual letter forms, 132, 136;
 - illegibility of, 135, 136, 206;
 - a part-Roman form, 84;
 - a narrow form, 132;
 - old examples of, 136;
 - in panel forms, 136;
 - used solidly, 134, 135;
 - spacing of, 134, 136;
 - variety of, 82, 132, 135, 136.
- Bonnard, Pierre, 91, 92.
- Border, to lay out a, 204.
- Boston Public Library, 14.
- Bragdon, Claude Fayette, 64, 111, 194.
- Brasses, Blackletters from, 138, 140.

Bridwell, H. L., [8](#), [112](#).
Bristol-board, [201](#).
Byzantine influence on Italian lettering, [45](#).

C., [8](#).

Capitals, used with Roman minuscules, [57](#);
with Round Gothic, [132](#);
with Blackletters, [136](#), [139](#);
(see also under Blackletter, Roman, Gothic, Italic, Modern Roman Capitals,
Script, Round Gothic, Uncial).

"Caroline" Text, [52](#).

Caslon, William, [64](#);

his type, [69](#).

Centering lines of lettering, [202](#).

Charlemagne, [52](#).

"Cheltenham Old Style" type, [71](#).

Cheltenham Press, The, [71](#).

Chisel-cut guide lines, [3](#).

Classic Capitals, see Roman Capitals.

Classic forms of letters, to draw, [3](#), [6](#), [201](#);

composition of, [6](#);

Italian Renaissance, [15](#), [27](#), [30](#).

"Colonial" lettering, [117](#).

Constantine, Arch of, lettering from, [11](#).

Construction, of Blackletters, [132](#);

of Roman Capitals, [3](#), [6](#);

of Roman Minuscules, [53](#), [56](#).

Craig, Gordon, [95](#), [96](#).

Crane, Walter, [47](#), [92](#), [200](#), [205](#).

Cross-bar in Roman Capitals, [6](#).

"Cursive" Letters, [91](#), [122](#).

Cursive tendency in Script lettering, [182](#).

D., [8](#).

'Dance of Death,' Holbein's, [117](#).

Day, Lewis F., [93](#).

Descenders, (see Ascenders).

De Vinne, Theo. L., [69](#).

Dove's Press, The, [69](#).

Drawing of letters, [201](#), [202](#), [205](#);

for reproduction, [203](#), [204](#).

Dürer, Albrecht, [31](#), [132](#), [138](#), [141](#).

E., [6](#), [104](#).

Early Gothic, (see Round Gothic).

Early Printing, [52](#), [64](#), [71](#).

Edwards, Edward B., [116](#).

Edwards, George Wharton, [194](#).

Emphasis in lettering, placing of, [206](#)

(see also Accenting).

English Brasses derived from Flanders, [141](#).

English Gothic, [140](#), [141](#).

English lettering, modern, [75](#), [82](#), [92](#).

English, Letters, [47](#);

Script, [188](#),

(see also Anglo-Saxon).

Engraved Title-pages, French, [188](#).

Enlarging Drawings, [203](#), [204](#).

F., [6](#), [104](#).

f., [56](#).

Fell, H. Granville, [96](#).

Flanders, Brasses from, [141](#).

Flourishing, of Blackletters, [135](#);

of Script, [194](#), [198](#).

Free-hand lines, [202](#).

French, modern lettering, [74](#), [82](#), [86](#);

Script, [188](#), [194](#).

Freedom, in lettering, [53](#), [74](#), [82](#), [92](#), [102](#), [118](#), [122](#), [201](#);

in Blackletters, [136](#);

in Gothic, [127](#);

in Italic, [198](#);

in kerns, serifs and swash-lines, etc., [53](#);

in Roman letters, [82](#);

in Script, [183](#).

G., 8.
g., 57.
Georgian English lettering, 117, 183, 194, 198.
German lettering, modern, 74, 82, 84, 92;
 early, 110, 117;
 Script, 52, 188;
 types, 52.
Goodhue, Bertram Grosvenor, 71, 102, 136, 142.
Gothic Capitals, for use with Blackletters, 139;
 pen drawn, 140;
 not to be used to form words, 132.
Gothic, English, (see English Gothic).
Gothic lettering, 127, 131, 134, 205;
 cut in stone, 140;
 (see also Blackletters and Uncial).
Granite, letters cut in, 11, 14,
 (see also Stone-cut, V-sunk and Incised).
Grasset, Eugène, 86.
Greek type, 73.
Grolier Club, 69.
Guide-lines, 3, 204.

H., 6.
"Half-Uncial," 52.
Harvard Architectural Building, lettering on, 14.
Hazenplug, Frank, 116, 198.
Historic styles of lettering, knowledge of, 207.
Holbein's 'Dance of Death' initials, 117.
Horne, Herbert P., 72.
Hrachowina, C., 188.
Hupp, Otto, 142.

I., 8, 9;
 space around, 205.
Illegibility of Blackletters, 135, 136.
Image, Selwyn, 73, 93.
Incised letters in stone, Gothic, 139, 140;
 Classic Roman, 9, 14, 45;
 (see also Granite, Inlaid, Marble, Sandstone, V-sunk and Stone-cut).
Ink, 201.
Inking-in lettering, 200, 202.
Inlaid lettering, Gothic, 141.
Interlacement of Script letters, 194.
Inter-relation of letters, 6, 135, 201.
Iorio, Adrian J., 107.
Irish letters, (see Anglo-Saxon).
Italian, Blackletters, 139, 141;
 modern lettering, 92;
 Renaissance (see Renaissance);
 Roman small letters, 64;
 types, 52;
 writing-books, 64, 183;
 letters, drawing of, 201.
Italic, 52, 182, 188, 194, 198;
 capitals, 182, 198;
 drawing of, 205;
 emphasis of, 206.

J., 8.
j., 56.
Jenson, Nicholas, 64.
Jones, A. Garth, 96.

K., 6.
k., 56.
Kerns, 53, 56.
Kimball, H. Ingalls, 71.

L., 104.
Late Gothic, (see Blackletter).
Laying out, lettering, 200, 201, 203, 204, 205;
 a border, 204.
Le Boutillier, Addison B., 110.
Legibility of lettering, 206, 207;
 of Round Gothic, 132.

Letters, outlines of, 202, 206;
widths of, 206;
to lay out, 205;
execution of in various materials, 14;
(see also Brasses, Inlaid, Marble, Granite, Pen and Printed forms,
Sandstone, Type).

Lines, heavy, 199;
narrow, 199;
thin, 200;
in water-color, 200;
freehand, 202, 203;
ruled, 202.

Linking, of Blackletters, 136;
of Round Gothic, 132;
of Roman Capitals, 45;
of Script, 182.

Lowell, Orson, 117.

M., 2, 28.
m., 56.

Marble, letters cut in, 17, 27,
(see also Incised, Inlaid).

Marsuppini tomb, Florence, 28.

Magonigle, H. Van Buren, 102.

McKim, Mead & White, architects, 14.

Medals, lettering on, 30.

Merrymount Press, The, 71, 72.

"Merrymount" type, 71.

Minuscule, 1;
modern Roman, 52, 53, 56, 57, 64;
monumental uses, 57;
composition of, 64;
growing use of, 76, 122;
spacing of, 57;
(see also, Roman, Gothic, Italic, Script).

Modern lettering, (see under countries, American, English, French, German,
Italian).

Modern Roman Capitals, 6;
(see Chapter II).

Modern type, (see Type).

"Montaigne" type, 69.

"Mont' Allegro" type, 73.

Moore, Guernsey, 116.

Morris, William, 72;
types of, 69.

Mucha, Alphons M., 91.

N., 2.

Netherlands, brasses from, 141.

New, Edmund H., 96.

Nicholson, William, 95.

O., 8, 182.
o., 182

Optical Illusions in Roman Capitals, 8.

Outline letters, 202.

P., 6.

Pantheon, Rome, Raphael's tomb, 27.

Papers, drawing, 201.

Parchment, 128.

Parrish, Maxfield, 110, 122.

Parsons, Alfred, 96.

Pens, 199, 201;
crowquill, 199;
reed, 2;
ruling, 202;
stub, 200;
quill, 200.

Pen drawn forms of letters, 9, 27, 30, 31, 45, 56, 64, 74, 76, 122, 140, 182,
199, 202.

Pencils, 200, 201.

Penfield, Edward, 100, 116, 118, 198.

Petrarch, 52;
handwriting of, 182.

Pisano, Vittore, 30.
"Post Old Style" type, 116.
Presses, (see Merrymount, Vale, Riverside, Cheltenham, Dove's, and De Vinne).
Printed forms of Roman letters, 9, 30, 52, 53, 56, 64, 69, 122.
Printers, German, 52;
 Italian, 52, 64;
 American, 69;
 English, 64, 69, 72, 73;
 Venetian, 53, 64.
Proportions of a design, 203.
Puttner, Walter, 142.
Pyle, Howard, 117.

Q., 2, 8, 92.
"Quadragesimale," 69.
Quill pens, 200;
 method of holding, 2, 131.

R., 2, 6, 8.
Railton, Herbert, 96.
Raphael's tomb, lettering from, 27.
Reduction of drawings, 203, 204.
Renaissance, letters, 15, 27, 30;
 artists of the, 53;
 lettering of the Italian, 206;
 medals, 30;
 purity of letter shapes, 69.
Renner, 69.
Renner type, 69.
Reproduction of drawings, 203.
Ricketts, Charles, 93.
Riverside Press, The, 69.
Rogers, Bruce, 69, 194.
Roman Capitals, 1, 27;
 (see also Modern Roman);
 thick and thin lines of, 1, 6;
 model for, 3;
 rules for, 2;
 squareness of, 1, 6, 131;
 peculiarities of, 6, 8.
Roman letters, 127, 136;
 with Italic, 182;
 combined with Script and Italic, 194;
 cross bars of, 6;
 definition of, 1;
 legibility of, 206;
 waist lines of, 6;
 width proportions of, 6.
Roman minuscules, (see Minuscule).
Roman forms, Gothic Spirit in, 84;
 Uncial, 128.
Romanesque influence on Italian lettering, 45.
Ross, Albert R., 3, 11, 32, 56.
Roty, O., 30.
Round Gothic, analysis of, 131;
 definition of, 131;
 capitals to use with, 132, 139.
Round letters, capitals, 2, 3;
 Minuscules, 56, 71;
 stone-cut, 3, 9.
Rubbings, from inscriptions, 11, 16.
Ruling pen, 202.

S., 8.
Sandstone, letters cut in, 14.
Santa Croce, Florence, lettering from, 28, 141.
Script, 182, 183, 188, 194, 198;
 capitals, 188;
 cursive tendency in, 182;
 developed from writing hands, 182;
 drawing of, 205;
 French, 188;
 German, 188;
 on English headstones and wall tombs, 188;

Spanish, 188;
used in engravings, 188;
used with upright Roman, 182, 183.

Serifs, 8, 16;
definition of, 3;
in Minuscule letters, 53, 69, 71;
in Italic letters, 182;
treatment of, 206.

Serlio, Sebastian, 3, 11, 32.

Shadows in V-sunk letters, 10, 11, 14.

Shaw, Byam, 96.

Simpson, Joseph W., 93.

Small letters, (see Minuscule, also Modern Roman, Gothic, Script and Italic).

Spacing, of Classic Roman letters, 6, 8;
of Blackletters, 128, 134, 136;
of Minuscules, 53, 56, 57;
of type, 56;
of "Montaigne" type, 69;
of "Cheltenham" type, 71;
of letters and words, 201, 205;
emphasis obtained by, 206.

Spanish, Script, 188;
Roman letters, 64;
writing-books, 64, 183.

Stone-cut letters, Roman, 3, 9, 14;
(see also Incised, V-sunk, Granite, Marble, Sandstone).

Sullivan, James F., 96.

Swash lines, 2, 53, 136.

T., 8, 28.

Tagliente, G. A., 31.

Thompson, Hugh, 96.

Tory, Geoffrey, 31.

Townsend, Harry Everett, 117.

Transferring of lettering, 202.

Type, 9, 52, 64, 74.

Type-founders, 9, 56, 64.

Type models for pen lettering, use of, 74, 76, 122.

Uncial letters, 45, 76, 84, 92, 128;
Gothic, 139;
meta forms of, 140;
pen forms of, 140;
stone-cut, 140;
stone and marble, 139.

Updike, D. Berkeley, 71.

V., 9.

Vale Press, The, 93.

Van Rysselberghe, Theo., 91.

Venetian printers, 53, 64.

Verneuil, M. P., 86.

Vinci, Leonardo da, 31.

V-sunk Roman lettering, 9, 10, 14;
(see also Incised).

W., 9.

w., 56.

Waist lines, 6, 204;
of Roman letters, 6, 204, 206.

Westminster Abbey, England, 188.

Width proportions, of Roman Capital letters, 6.

Writing-books, 64, 183.

Writing hand, 188;
of Petrarch, 182;
Script developed from, 182.

X., 6.

Y., 6.

y., 56.

Z., 2.

PEN DRAWING

By CHARLES D. MAGINNIS

An illustrated treatise, with many examples of the work of all the more eminent modern pen draughtsmen. A practical text-book, which aims to put the student in the most direct way of attaining successful proficiency in the art of drawing.

"The book is very useful; all the features are good."—JOHN P. KUHLE, Carlstadt, N. J.

"I have learned a great deal in a short time from Mr. Maginnis's treatise."—H. E. HUNT, Ambridge, Pa.

"I have found it a great help in pen drawing, and consider it a most instructive book."—WM. E. MEVINS, Buffalo, N. Y.

"Would recommend it to any one wishing to do pen drawing or to a student wishing to take up the work as I did."—E. E. CHRISTOPHER, St. Louis, Mo.

"I find it a most delightful little book, valuable for the student, as also for those desirous of gaining some insight into this art."—CHAS. J. FELLGER, Philadelphia, Pa.

"The illustrations are excellent, and the instructions clear and to the point. It is a guide to the beginner and material help to the experienced. I am very pleased with it."—A. E. BUCKLER, Niagara Falls, N. Y.

"'Pen Drawing' has benefited me a great deal, as it would anybody who made a proper use of it. Its many illustrations, together with their descriptive text, make the book what I think it was intended for, a good teacher."—H. W. BONNAH, Port Huron, Mich.

"I think it a most excellent little book, well worth careful reading by any artist or draughtsman. Everything seems to me clearly stated and all points aptly illustrated with good examples. I do not see how it could be much better for the price."—S. GIFFORD SLOCUM, Architect, New York City

PRICE, POSTAGE PREPAID, \$1.50

144 CONGRESS STREET, BOSTON, MASS.

BATES & GUILD COMPANY'S PUBLICATIONS

DETAILS OF

Building Construction

By CLARENCE A. MARTIN

A collection of 33 plates, 10 × 12½ inches, giving over 300 separate details covering all the ordinary methods of building, and in many cases showing alternative methods. The plates are models of detail drawing, and the text is in the form of notes lettered on the drawings.

"I think it a valuable book to have near one in the draughting-room."—C. A. MCGREEN, Columbus, O.

"I have studied all the details and I have found them very profitable to me."—ERNEST H. DOWNING, New York City

"This book and 'Kidder's' are two that I could hardly get along without."—LOREN O. KIRK, Minneapolis, Minn.

"The best book of its kind on the market. It is concise, practical, saves time and gives new ideas."—S. R. QUICK, Fort Collins, Col.

"It saves me considerable time, is twice worth the price I paid for it, and also gives me endless number of new ideas."—JOHN SCHIER, Milwaukee, Wis.

"Has saved me time, labor and trouble. A good book for ready reference in the draughting-room."—A. C. STORCH, Pittsburg, Pa.

"The work has proven to be very useful to me, and I do not hesitate to recommend it highly, especially to students."—W. R. TROWBRIDGE, Altoona, Pa.

"During the last few years I have purchased from you at least 25 or 30 copies. My customers are well pleased with it."—THOMAS HENRY, Book Dealer, Toronto, Ont.

"The most practical work on the subject there is, or at least that I have seen. I have never regretted the money I paid for it, and the book is always near at hand."—H. A. GOODSPEED, Providence, R. I.

PRICE, POSTAGE PREPAID, \$2.50

144 CONGRESS STREET, BOSTON, MASS.

SHADES & SHADOWS

By HENRY McGOODWIN

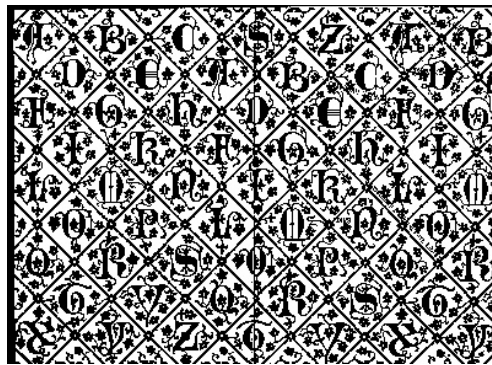
The purpose and usefulness of this book is twofold: it is intended, first, as a practical reference hand-book for the architect's office—a "dictionary," as it were, of all the shades and shadows of those architectural forms and details which are used in rendering drawings; and second, as a clear and accurate course of study in the methods of determining shadows, for use in schools, offices, and ateliers.

As a text-book for draughtsmen it is the clearest and most thorough work that has ever been written on the subject. The study is approached from the standpoint and in the language of the architect rather than of the geometrician; and great pains have been taken to demonstrate every problem in the simplest terms and by the simplest methods.

The book measures 9½ × 12½ inches, and is substantially bound in cloth.

PRICE, EXPRESS PAID, \$4.00

144 CONGRESS STREET, BOSTON, MASS.



*** END OF THE PROJECT GUTENBERG EBOOK LETTERS & LETTERING: A TREATISE WITH
200 EXAMPLES ***

Updated editions will replace the previous one—the old editions will be renamed.

Creating the works from print editions not protected by U.S. copyright law means that no one owns a United States copyright in these works, so the Foundation (and you!) can copy and distribute it in the United States without permission and without paying copyright royalties. Special rules, set forth in the General Terms of Use part of this license, apply to copying and distributing Project Gutenberg™ electronic works to protect the PROJECT GUTENBERG™ concept and trademark. Project Gutenberg is a registered trademark, and may not be used if you charge for an eBook, except by following the terms of the trademark license, including paying royalties for use of the Project Gutenberg trademark. If you do not charge anything for copies of this eBook, complying with the trademark license is very easy. You may use this eBook for nearly any purpose such as creation of derivative works, reports, performances and research. Project Gutenberg eBooks may be modified and printed and given away—you may do practically ANYTHING in the United States with eBooks not protected by U.S. copyright law. Redistribution is subject to the trademark license, especially commercial redistribution.

START: FULL LICENSE
THE FULL PROJECT GUTENBERG LICENSE
PLEASE READ THIS BEFORE YOU DISTRIBUTE OR USE THIS WORK

To protect the Project Gutenberg™ mission of promoting the free distribution of electronic works, by using or distributing this work (or any other work associated in any way with the phrase "Project Gutenberg"), you agree to comply with all the terms of the Full Project Gutenberg™ License available with this file or online at www.gutenberg.org/license.

**Section 1. General Terms of Use and Redistributing Project Gutenberg™
electronic works**

1.A. By reading or using any part of this Project Gutenberg™ electronic work, you indicate that you have read, understand, agree to and accept all the terms of this license and intellectual property (trademark/copyright) agreement. If you do not agree to abide by all the

terms of this agreement, you must cease using and return or destroy all copies of Project Gutenberg™ electronic works in your possession. If you paid a fee for obtaining a copy of or access to a Project Gutenberg™ electronic work and you do not agree to be bound by the terms of this agreement, you may obtain a refund from the person or entity to whom you paid the fee as set forth in paragraph 1.E.8.

1.B. “Project Gutenberg” is a registered trademark. It may only be used on or associated in any way with an electronic work by people who agree to be bound by the terms of this agreement. There are a few things that you can do with most Project Gutenberg™ electronic works even without complying with the full terms of this agreement. See paragraph 1.C below. There are a lot of things you can do with Project Gutenberg™ electronic works if you follow the terms of this agreement and help preserve free future access to Project Gutenberg™ electronic works. See paragraph 1.E below.

1.C. The Project Gutenberg Literary Archive Foundation (“the Foundation” or PGLAF), owns a compilation copyright in the collection of Project Gutenberg™ electronic works. Nearly all the individual works in the collection are in the public domain in the United States. If an individual work is unprotected by copyright law in the United States and you are located in the United States, we do not claim a right to prevent you from copying, distributing, performing, displaying or creating derivative works based on the work as long as all references to Project Gutenberg are removed. Of course, we hope that you will support the Project Gutenberg™ mission of promoting free access to electronic works by freely sharing Project Gutenberg™ works in compliance with the terms of this agreement for keeping the Project Gutenberg™ name associated with the work. You can easily comply with the terms of this agreement by keeping this work in the same format with its attached full Project Gutenberg™ License when you share it without charge with others.

1.D. The copyright laws of the place where you are located also govern what you can do with this work. Copyright laws in most countries are in a constant state of change. If you are outside the United States, check the laws of your country in addition to the terms of this agreement before downloading, copying, displaying, performing, distributing or creating derivative works based on this work or any other Project Gutenberg™ work. The Foundation makes no representations concerning the copyright status of any work in any country other than the United States.

1.E. Unless you have removed all references to Project Gutenberg:

1.E.1. The following sentence, with active links to, or other immediate access to, the full Project Gutenberg™ License must appear prominently whenever any copy of a Project Gutenberg™ work (any work on which the phrase “Project Gutenberg” appears, or with which the phrase “Project Gutenberg” is associated) is accessed, displayed, performed, viewed, copied or distributed:

This eBook is for the use of anyone anywhere in the United States and most other parts of the world at no cost and with almost no restrictions whatsoever. You may copy it, give it away or re-use it under the terms of the Project Gutenberg License included with this eBook or online at www.gutenberg.org. If you are not located in the United States, you will have to check the laws of the country where you are located before using this eBook.

1.E.2. If an individual Project Gutenberg™ electronic work is derived from texts not protected by U.S. copyright law (does not contain a notice indicating that it is posted with permission of the copyright holder), the work can be copied and distributed to anyone in the United States without paying any fees or charges. If you are redistributing or providing access to a work with the phrase “Project Gutenberg” associated with or appearing on the work, you must comply either with the requirements of paragraphs 1.E.1 through 1.E.7 or obtain permission for the use of the work and the Project Gutenberg™ trademark as set forth in paragraphs 1.E.8 or 1.E.9.

1.E.3. If an individual Project Gutenberg™ electronic work is posted with the permission of the copyright holder, your use and distribution must comply with both paragraphs 1.E.1 through 1.E.7 and any additional terms imposed by the copyright holder. Additional terms will be linked to the Project Gutenberg™ License for all works posted with the permission of the copyright holder found at the beginning of this work.

1.E.4. Do not unlink or detach or remove the full Project Gutenberg™ License terms from this work, or any files containing a part of this work or any other work associated with Project Gutenberg™.

1.E.5. Do not copy, display, perform, distribute or redistribute this electronic work, or any part of this electronic work, without prominently displaying the sentence set forth in paragraph 1.E.1 with active links or immediate access to the full terms of the Project Gutenberg™ License.

1.E.6. You may convert to and distribute this work in any binary, compressed, marked up, nonproprietary or proprietary form, including any word processing or hypertext form.

However, if you provide access to or distribute copies of a Project Gutenberg™ work in a format other than “Plain Vanilla ASCII” or other format used in the official version posted on the official Project Gutenberg™ website (www.gutenberg.org), you must, at no additional cost, fee or expense to the user, provide a copy, a means of exporting a copy, or a means of obtaining a copy upon request, of the work in its original “Plain Vanilla ASCII” or other form. Any alternate format must include the full Project Gutenberg™ License as specified in paragraph 1.E.1.

1.E.7. Do not charge a fee for access to, viewing, displaying, performing, copying or distributing any Project Gutenberg™ works unless you comply with paragraph 1.E.8 or 1.E.9.

1.E.8. You may charge a reasonable fee for copies of or providing access to or distributing Project Gutenberg™ electronic works provided that:

- You pay a royalty fee of 20% of the gross profits you derive from the use of Project Gutenberg™ works calculated using the method you already use to calculate your applicable taxes. The fee is owed to the owner of the Project Gutenberg™ trademark, but he has agreed to donate royalties under this paragraph to the Project Gutenberg Literary Archive Foundation. Royalty payments must be paid within 60 days following each date on which you prepare (or are legally required to prepare) your periodic tax returns. Royalty payments should be clearly marked as such and sent to the Project Gutenberg Literary Archive Foundation at the address specified in Section 4, “Information about donations to the Project Gutenberg Literary Archive Foundation.”
- You provide a full refund of any money paid by a user who notifies you in writing (or by e-mail) within 30 days of receipt that s/he does not agree to the terms of the full Project Gutenberg™ License. You must require such a user to return or destroy all copies of the works possessed in a physical medium and discontinue all use of and all access to other copies of Project Gutenberg™ works.
- You provide, in accordance with paragraph 1.F.3, a full refund of any money paid for a work or a replacement copy, if a defect in the electronic work is discovered and reported to you within 90 days of receipt of the work.
- You comply with all other terms of this agreement for free distribution of Project Gutenberg™ works.

1.E.9. If you wish to charge a fee or distribute a Project Gutenberg™ electronic work or group of works on different terms than are set forth in this agreement, you must obtain permission in writing from the Project Gutenberg Literary Archive Foundation, the manager of the Project Gutenberg™ trademark. Contact the Foundation as set forth in Section 3 below.

1.F.

1.F.1. Project Gutenberg volunteers and employees expend considerable effort to identify, do copyright research on, transcribe and proofread works not protected by U.S. copyright law in creating the Project Gutenberg™ collection. Despite these efforts, Project Gutenberg™ electronic works, and the medium on which they may be stored, may contain “Defects,” such as, but not limited to, incomplete, inaccurate or corrupt data, transcription errors, a copyright or other intellectual property infringement, a defective or damaged disk or other medium, a computer virus, or computer codes that damage or cannot be read by your equipment.

1.F.2. LIMITED WARRANTY, DISCLAIMER OF DAMAGES - Except for the “Right of Replacement or Refund” described in paragraph 1.F.3, the Project Gutenberg Literary Archive Foundation, the owner of the Project Gutenberg™ trademark, and any other party distributing a Project Gutenberg™ electronic work under this agreement, disclaim all liability to you for damages, costs and expenses, including legal fees. YOU AGREE THAT YOU HAVE NO REMEDIES FOR NEGLIGENCE, STRICT LIABILITY, BREACH OF WARRANTY OR BREACH OF CONTRACT EXCEPT THOSE PROVIDED IN PARAGRAPH 1.F.3. YOU AGREE THAT THE FOUNDATION, THE TRADEMARK OWNER, AND ANY DISTRIBUTOR UNDER THIS AGREEMENT WILL NOT BE LIABLE TO YOU FOR ACTUAL, DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE OR INCIDENTAL DAMAGES EVEN IF YOU GIVE NOTICE OF THE POSSIBILITY OF SUCH DAMAGE.

1.F.3. LIMITED RIGHT OF REPLACEMENT OR REFUND - If you discover a defect in this electronic work within 90 days of receiving it, you can receive a refund of the money (if any) you paid for it by sending a written explanation to the person you received the work from. If you received the work on a physical medium, you must return the medium with your written explanation. The person or entity that provided you with the defective work may elect to provide a replacement copy in lieu of a refund. If you received the work electronically, the person or entity providing it to you may choose to give you a second opportunity to receive the work electronically in lieu of a refund. If the second copy is also defective, you may demand a refund in writing without further opportunities to fix the problem.

1.F.4. Except for the limited right of replacement or refund set forth in paragraph 1.F.3, this work is provided to you 'AS-IS', WITH NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE.

1.F.5. Some states do not allow disclaimers of certain implied warranties or the exclusion or limitation of certain types of damages. If any disclaimer or limitation set forth in this agreement violates the law of the state applicable to this agreement, the agreement shall be interpreted to make the maximum disclaimer or limitation permitted by the applicable state law. The invalidity or unenforceability of any provision of this agreement shall not void the remaining provisions.

1.F.6. INDEMNITY - You agree to indemnify and hold the Foundation, the trademark owner, any agent or employee of the Foundation, anyone providing copies of Project Gutenberg™ electronic works in accordance with this agreement, and any volunteers associated with the production, promotion and distribution of Project Gutenberg™ electronic works, harmless from all liability, costs and expenses, including legal fees, that arise directly or indirectly from any of the following which you do or cause to occur: (a) distribution of this or any Project Gutenberg™ work, (b) alteration, modification, or additions or deletions to any Project Gutenberg™ work, and (c) any Defect you cause.

Section 2. Information about the Mission of Project Gutenberg™

Project Gutenberg™ is synonymous with the free distribution of electronic works in formats readable by the widest variety of computers including obsolete, old, middle-aged and new computers. It exists because of the efforts of hundreds of volunteers and donations from people in all walks of life.

Volunteers and financial support to provide volunteers with the assistance they need are critical to reaching Project Gutenberg™'s goals and ensuring that the Project Gutenberg™ collection will remain freely available for generations to come. In 2001, the Project Gutenberg Literary Archive Foundation was created to provide a secure and permanent future for Project Gutenberg™ and future generations. To learn more about the Project Gutenberg Literary Archive Foundation and how your efforts and donations can help, see Sections 3 and 4 and the Foundation information page at www.gutenberg.org.

Section 3. Information about the Project Gutenberg Literary Archive Foundation

The Project Gutenberg Literary Archive Foundation is a non-profit 501(c)(3) educational corporation organized under the laws of the state of Mississippi and granted tax exempt status by the Internal Revenue Service. The Foundation's EIN or federal tax identification number is 64-6221541. Contributions to the Project Gutenberg Literary Archive Foundation are tax deductible to the full extent permitted by U.S. federal laws and your state's laws.

The Foundation's business office is located at 809 North 1500 West, Salt Lake City, UT 84116, (801) 596-1887. Email contact links and up to date contact information can be found at the Foundation's website and official page at www.gutenberg.org/contact

Section 4. Information about Donations to the Project Gutenberg Literary Archive Foundation

Project Gutenberg™ depends upon and cannot survive without widespread public support and donations to carry out its mission of increasing the number of public domain and licensed works that can be freely distributed in machine-readable form accessible by the widest array of equipment including outdated equipment. Many small donations (\$1 to \$5,000) are particularly important to maintaining tax exempt status with the IRS.

The Foundation is committed to complying with the laws regulating charities and charitable donations in all 50 states of the United States. Compliance requirements are not uniform and it takes a considerable effort, much paperwork and many fees to meet and keep up with these requirements. We do not solicit donations in locations where we have not received written confirmation of compliance. To SEND DONATIONS or determine the status of compliance for any particular state visit www.gutenberg.org/donate.

While we cannot and do not solicit contributions from states where we have not met the solicitation requirements, we know of no prohibition against accepting unsolicited donations from donors in such states who approach us with offers to donate.

International donations are gratefully accepted, but we cannot make any statements concerning tax treatment of donations received from outside the United States. U.S. laws alone swamp our small staff.

Please check the Project Gutenberg web pages for current donation methods and addresses. Donations are accepted in a number of other ways including checks, online payments and

credit card donations. To donate, please visit: www.gutenberg.org/donate

Section 5. General Information About Project Gutenberg™ electronic works

Professor Michael S. Hart was the originator of the Project Gutenberg™ concept of a library of electronic works that could be freely shared with anyone. For forty years, he produced and distributed Project Gutenberg™ eBooks with only a loose network of volunteer support.

Project Gutenberg™ eBooks are often created from several printed editions, all of which are confirmed as not protected by copyright in the U.S. unless a copyright notice is included. Thus, we do not necessarily keep eBooks in compliance with any particular paper edition.

Most people start at our website which has the main PG search facility: www.gutenberg.org.

This website includes information about Project Gutenberg™, including how to make donations to the Project Gutenberg Literary Archive Foundation, how to help produce our new eBooks, and how to subscribe to our email newsletter to hear about new eBooks.