

EXPLANATION OF SIGNS USED IN THIS WORK.

The dates in parenthesis, thus: (1528) refer to the books and papers, the titles of which are given in the "Chronological List" at page XIX.

The notes of the different octaves are expressed, in the usual manner as follows:



The intermediate notes of each octave are expressed by signs corresponding to that which indicates the lowest note of such octave, for example: *a'* is above *c'*; *b* is immediately below *c'*.

- > signifies greater than.
- < signifies less than.

The following signs refer to the fingering of the flute:

- signifies an open hole.
- signifies a closed hole.

1R, thL, 2L, etc., refer to the first finger of the right hand, the thumb of the left hand, the second finger of the left hand, etc.

CONTENTS.

	PAGE
Explanation of Signs	VIII.
Chronological List of Books and Papers quoted	XIX.
Alphabetical Arrangement of the Names of the Authors quoted and the dates of their works	XXXIX.

PART I.

A SKETCH OF THE ELEMENTS OF ACOUSTICS.

CHAPTER I.

GENERAL VIEW OF SOUND.

- §1. Definition of the word Acoustics.—2. Nature and Propagation of Sound.—7. Velocity of Sound.—8. Intensity of Sound.—10. Comparison of Music and Noise.—19. Musical Pitch.—22. Length of the Sonorous Wave.—23. Audibility of High Notes.—24. Sound appreciated by Deaf Persons.—25. Range of Musical Instruments.

CHAPTER II.

ON THE VIBRATIONS OF SOLID BODIES.

- §26. Different Species of Vibrations.—27. Transverse Vibrations.—30. Wheatstone's Kaleidophone.—31. Longitudinal Vibrations.—34. Torsional Vibrations.—35. The Tuning-fork.—40. Sound-boards.—41. Vibrations of Strings.—44. Harmonics of Strings.—49. The Trumpet-Marine.—51. Early Investigators.—52. Bernoulli's Experiment.—53. Melde's Experiment.—55. Harmonics of various Sonorous Bodies.—58. Sympathetic Vibrations.—63. The Fibres of the Ear: *De Mairan's Hypothesis*.—64. Corti's Discoveries.

CHAPTER III.

ON THE PRODUCTION OF MUSICAL SOUND IN TUBES.

- §66. Preliminary Remarks on the musical Vibrations of Air in Tubes.—72. Resonators.—78. Reeds.—79. *The Free Reed*.—80. *Beating Reeds*.—84. The Production of Sound in the Flute and its Congeners. *The Air-reed*.—90. *Chladni's Theory*.—91. *Sir J. Herschel's Theory*.—92. *Its Qualification*.—93. *Theories of M. Cavaillé-Coll*.—94. *Professor Helmholtz*.—96. *Professor Tyndall*.—99. *Sir G. B. Airy*.—100. *Mr. Hermann Smith and Herr Schneebeli*.—105. *The Subject passed over by Lord Rayleigh*.—106. The Effects of Variation in the Force and the Direction of the Air-reed.—112. Reciprocal Action of the Air-reed and the Column of Air.

CHAPTER IV.

ON THE VIBRATIONS OF COLUMNS OF AIR IN TUBES.

- §114. Incorrect Opinions of Early Writers.—116. Bernoulli's Theories.—119. Vibrations of the Air in Stopped Cylindrical Tubes.—121. Positive and Negative Reflection.—122. Vibrations of the Air in Open Cylindrical Tubes.—123. Extension of the Air-column beyond the End of the Tube.—125. Nodes not Points of absolute Rest.—126. Savart's Proof of Bernoulli's Theory.—127. Wheatstone's Proof of the same.—128. Errors of Past and Recent Writers.—131. Vibrations of the Air in Cylindrical Tubes Closed at both Ends.—132. Harmonics of Columns of Air in Cylindrical Tubes.—133. *Harmonics in Open Tubes*.—138. *Harmonics in Stopped Tubes*.—141. Sonorous Vibrations independent of Wind-current.—142. Relation of Interior and Exterior Sound-waves.—143. Lateral Perforations.—144. *Note-holes*.—149. *Vent-holes*.—154. Influence of Diameter.—157. Varying Positions of Nodes, and of the Origin of Sound in Tubes.—165. Vibrations of the Air in Tubes of Varying Diameter.

CHAPTER V.

ON SIMPLE AND COMPOSITE SOUNDS.

- §172. Simplicity and Complexity of Sound.—174. Partials.—192. Lower Attendant Sounds.—194. Grave Harmonics.—195. Beats.

CHAPTER VI.

ON QUALITY OF TONE AND THE CAUSES OF ITS VARIETY.

- §199. General View of Quality of Tone.—201. Quality of Simple Sound.—208. Influence of Partials on Quality.—228. Influence of the Lower Attendant Sounds on Quality.—229. Chief Constituents of Quality of Tone analytically and antithetically considered.—230. *Power : Softness*.—231. *Volume : Thinness*.—232. *Brilliancy : Dulness*.—233. *Sweetness : Harshness*. *Table of the higher Harmonics*.—235. *Clearness : Impureness*.—236. *Acuteness : Gravity*.—239. Synthesis of Tones.—240. Occult Causes of Variety of Quality.

CHAPTER VII.

ON THE FUNCTIONS OF THE TUBE OF A WIND-INSTRUMENT.

- §241. Diversity of Opinion on this Subject.—243. General Results of Personal Experience.—244. Influence of the Tube on Pitch.—245. Influence of the Conductivity of the Tube on Power.—247. Influence of the Tube on Quality of Tone.—249. On Permanent Change in the Tube caused by different Methods of producing Sound.

CHAPTER VIII.

ON SCALES AND TEMPERAMENT.

- §250. The Tetrachord.—252. The Theoretical Scale.—253. *Table of Ratios*.—254. Inversion, Synthesis and Analysis of Intervals.—256. Intervals of the Theoretical Scale. *The Schisma*.—257. *The Minor Comma*.—258. *The Comma* $\frac{81}{80}$.—259. *The Pythagorean Comma*.—260. *The Minor Chromatic Semitone*.—261. *The Major Chromatic Semitone*.—262. *The Diatonic Semitone*.—263. Vibration Numbers of the Theoretical Scale.—264. *Table*.—266. Temperament.—267. Pythagorean Temperament, *Table*.—269. Meantone Temperament.—270. *Table*.—271. Equal Temperament.—272. *Vibration Numbers*.—273. *Table*.—274. *Table of Differences*.—276. Comparative Table of the Intervals of the Various Scales.—278. Rise and Progress of Equal Temperament.

CHAPTER IX.

ON MUSICAL PITCH.

- §291. Musical Pitch in General.—292. Effects of Variation of Temperature.—293. Measurement of Pitch.—294. *The Siren*.—295. *Scheibler's Tonometer*.—296. Calculation of c' from a' , and a' from c' .—297. Mr. Ellis's History of Musical Pitch.—298. *Extracts from that Paper*.—299. Erroneous Notions on the Rise of English Pitch.—300. Objections to lowering the English Standard.

PART II.

THE CONSTRUCTION OF THE FLUTE AND THE HISTORY OF ITS DEVELOPMENT.

CHAPTER X.

ON THE FLUTES OF THE ANCIENTS.

§§301 to 307.

CHAPTER XI.

ON THE FLUTE-TUBE AND ITS VARIOUS DETAILS AND ACCESSORIES,
INCLUDING AN ACCOUNT OF THE QUALITIES NECESSARY
FOR IDEAL PERFECTION.

§308. Introductory.—310. Different Sizes of Flutes.—311. The Materials used for the Tubes of Flutes.—312. Box-wood.—313. *Jamaica Cocus*-wood.—314. *Ebony*.—315. *Cuban and South American Cocus*.—316. Other Woods.—317. *Ivory*.—318. *Metal-lined Head-joints*.—319. *Glass and Porcelain*.—320. *Metal*.—321. *Ebonite*.—322. Thickness of the Tube.—323. The Joints of the Flute.—325. Contrivances for altering the Pitch of a Flute.—326. *Extra Middle Joints*.—327. *The Tuning Slide*.—328. The Cork, or Stopper.—329. *Its Material and Construction*.—331. *Its Position*.—333. The Mouth-hole.—338. The Bore. *Its various Forms*.—342. *Its Dimensions*.—343. The Finger-holes.—345. *Their Diameter*.—347. *Veiled Notes*.—348. *Positions of the Finger-holes*.—357. *Vent-holes*.—360. *The c" Hole*.—363. *The latest Improvement in the c" Hole*.—364. *The tendency of Vent-holes to cause undue Sharpness*.—365. *The Supernumerary d" and d" Holes*.

CHAPTER XII.

ON THE FINGERING AND THE MACHINERY OF THE FLUTE.

§368. The Fingering.—372. *Duplicate Note-holes*.—373. *Cross-Fingering*.—378. *Advantages of the Constant Employment of all the Fingers*.—379. The Machinery.—380. The Keys and their Supports.—383. The Flaps, Leathers, Plugs, Cups, Pads and Beds of the Keys.—388. The Rise of the Keys. Stops.—389. The Springs.—391. Perforations in the Keys, etc.—394. "Open" and "Closed" Systems of Keys.—395. Levers and their Connections.—396. The Crutch.

CHAPTER XIII.

A CENTURY AND A HALF OF THE EARLY LIFE OF THE
TRANSVERSE FLUTE.

A.D. 1511-1660.

§397. Early Writers on the Flute. *Sebastian Virdung*, 1511.—400. *Martin Agricola*, 1528, 1545.—401. *Thoinot Arbeau*, 1588.—402. *Salomon de Caus*, 1614.—403. *Michael Praetorius*, 1620.—404. *Marin Mersenne*, 1637.—405. *Athanasius Kircher*, 1650.—406. The Fingering and other Particulars of the Primitive Flutes.

CHAPTER XIV.

THE HISTORY OF THE FLUTE FROM 1660 TO 1827.

§412. The Application of Keys, 1660 *circa*.—414. The Diminution of the Finger-holes.—415. The Conoidal Bore, 1680 *circa*.—416. The

Hotteterres.—418. *Table of the Fingering of the One-keyed Flute*, 1699.—422. *Filippo Bonanni*, 1722.—423. The "c" and c" Keys.—424. A Flute by F. Boie, 1724 *ante*.—430. A Flute by Biglioni, 1725 *ante*.—434. The Flute of Quantz, 1726.—435. Quantz's Fingering.—439. Gerhard Hoffmann.—440. "The Modern Musick-Master," 1730.—441. An early "Bass Flute."—443. A "Bass Flute" in g, 1751 *ante*.—445. The Essay of Quantz, 1752.—446. A Flute by T. Lot, 1756 *circa*.—449. Scale of Fingering in the French Encyclopædia, 1756.—450. A "Bass Flute" by Delusse, 1760 *circa*.—451. The "Extra Keys" for f, g" and b", 1774.—454. Revival of the "Low c and c" Keys."—455. The c" Key.—457. The Flute as described by Lambert, 1775.—464. The State of Flute-playing in England in 1776.—465. An Instruction-book by Antonio Lorenzoni, 1779.—466. Dr. Ribock's "Bemerkungen," 1782.—471. The Flutes of Tromlitz, 1783.—473. Richard Potter's Patents, 1785.—474. The First Work of Tromlitz, 1786.—The "Long f Key."—477. Instructions for the Flute of Florio and Tacet, 1789 *circa*; Wragg's Flute Preceptor, 1790 *circa*.—478. The Second Work of Tromlitz, 1791.—479. John Gunn's "Art of playing the German Flute," 1793.—480. *Mithode* by F. Devienne, 1795.—481. The Third Work of Tromlitz, 1800.—487. *Méthode* of Hugot and Wunderlich, 1801.—488. Attempt to remodel the Flute by Wm. Close, 1802.—489. Pottgiesser's First Effort to improve the Flute, 1803.—499. Laurent's Glass Flutes "The Long c" Key," 1806.—500. A Flute by Monzani, 1807.—503. Dr. J. H. Liebeskind, 1806, 7, 8.—504. W. H. Potter's sliding keys, 1808.—505. Townley's Tuning Lever, 1808.—506. Townley's d' Key, 1808.—507. Townley's Mouth-piece.—508. Nolan's "Open g" Key," 1808.—512. Scott's Patents, 1810.—513. MacGregor's "Bass Flute," 1810.—517. Miller's Metal Flutes, 1810.—518. Flute by W. H. Potter, 1810 *circa*.—520. Re-enlargement of the Finger-holes.—521. Weber's account of a New Flute, 1811.—525. Monzani's Patents, 1812.—527. Wood's Patent, 1814.—528. Flutes for One-handed Persons, 1815 *circa*.—530. Walking-stick-flutes.—531. Eight-keyed Flute by Drouet, 1818 *circa*.—532. "Flûtes d'Amour," by Clementi, 1819, and Oberlander.—534. Wheatstone's Mouth-piece, 1820.—535. Rudall and Rose.—536. C. Nicholson's Flutes, 1822.—541. Petersen's Flute.—542. Pottgiesser's Second Effort, 1824.—547. Pleasing Episode.—548. The Flute in 1826-7.—554. *Fingering of the Eight-keyed Flute*.—559. Keys occasionally added.—560. List of Instruction-books.

CHAPTER XV.

THE LATEST PHASES OF THE DEVELOPMENT OF THE FLUTE.

1827-1889.

§561. Retrospect of certain Improvements, 1800-1824.—566. Captain Gordon.—570. *Gordon's Flute*.—573. *Scale of Fingering*.—576. A Flute stated by Boehm to have been made for Gordon.—579. Theobald Boehm.—582. Boehm's "Patent Flute."—587. *Scale of Fingering*.—591. A later Flute by Boehm.—599. Gordon and Boehm.—609. Cöche's "Examen Critique."—611. Letter from H. Berton to V. Cöche.—612. Report of the Institute of France.—615. Cöche's "Examen" continued.—618. Letter from Mdme. Gordon to Cöche.—621. Letter from Boehm to Cöche.—624. Letter from Gordon to Mercier.—625. Letter from Gordon to Boehm.—626.

Opinions of various Writers.—632. Alterations in the New Flute by Cöche and Buffet.—634. *The Flute of Cöche and Buffet*, 1838.—635. The Dorus $\text{g}^{\#}$ key.—636. Comparison of the “open” and the Dorus $\text{g}^{\#}$ keys.—638. Further Improvements in the Mechanism of the New Flute.—640. Ward’s Patent Flutes, 1849.—643. The Progress of the “open-keyed” System in this Country.—646. Siccama’s Patent Flutes.—653. The “Cylindrical Flute with Parabolic Head-joint,” 1847.—657. Patent Flute by John Clinton, 1848.—658. The Inventions of Giulio Briccialdi, 1849.—660. Further Attempts to revive the old Fingering.—661. Mr. Carte’s first Patent Flute, 1850, 1851.—665. Improved Conoidal Bore.—668. The Writer’s first Scheme for the Improvement of the Flute, 1852.—670. *The Extra f[#] Lever, etc.*, 1852.—671. Pratten’s “Perfected Flute.”—673. The Writer’s Scheme for the Improvement of the “Cylinder Flute,” 1858.—675. The Duplicate $\text{g}^{\#}$ Hole and Key.—676. Clinton’s “Equisonant Flute,” and his “Graduated Holes,” 1855, 1862.—677. *Letter from Th. Boehm to Louis Lot.*—678. Clinton’s last Patent, 1863.—679. The “Rockstro Model,” 1864-1877.—684. Mr. Carte’s “1867 Patent.”—685. Mr. Barrett’s modification of the “1867 Patent” Flute.—686. The “Medium Holes.”—687. The *a* Alto (or “Bass”) Flute.—688. The latest Improvement in the Flute, 1889.

PART III.

THE ART OF FLUTE-PLAYING.

CHAPTER XVI.

ON THE STUDY OF MUSIC, AND THE SELECTION AND GENERAL MANAGEMENT OF A FLUTE.

§689. The Study of Music.—690. The Eligibility of the Flute.—701. The chief Points of Excellence in Flute-playing.—702. The Selection of a Flute.—704. The Preservation of a Flute.—707. Cleaning the Keys and other Mechanism.—708. Repairing the Mechanism.—709. Putting together and adjusting the Joints.

CHAPTER XVII.

ON THE POSITION OF THE PLAYER; THE SUPPORTING OF THE FLUTE; THE ACTION OF THE FINGERS, ETC.

§710. The Position of the Body and the Head.—712. The Supporting of the Flute.—715. Authorities for turning the Mouth-hole inwards.—716. Authorities for pressing the Right Hand Thumb against the Side of the Flute.—717. The Position of the Flute.—718. The Position of the Left Arm, Hand and Fingers.—719. The Position of the Right Arm, Hand and Fingers.—720. The Action of the Fingers.—721. General Remarks on Position.

CHAPTER XVIII.

ON SOUND-PRODUCTION, SIMPLE ARTICULATION, INTONATION,
QUALITY OF TONE, ETC.

§723. The Placing of the Flute to the Lip.—726. The Management of the Lips and the Lower Jaw.—735. The Production of Sound.—737. The Use and the Abuse of the Tongue in Articulation.—745. The Production of the Notes from c' to $c''\#$, inclusive.—751. The Production of the Notes d'' and $d''\#$.—752. The Production of the Notes from e'' to c''' , inclusive.—758. The Production of the Notes $c''\#$ and d''' .—759. The Production of the Notes above d''' .—762. Intonation.—765. *The use of the Tuning Slide.*—767. *Altered Semitones.*—769. The Tone of the Flute.—775. *The Management of Flutes of various Materials.*—778. *Inflection of Tone.*—779. Legato Playing.—780. The Playing of Octaves.

CHAPTER XIX.

ON FINGERING.

§781. General Remarks on Fingering.—783. The Fingering of the Eight-keyed Flute.—784. *The Shakes of the Eight-keyed Flute.*—785. The Uses of certain Keys occasionally added to the old Flute.—786. Fingerings suitable for the pseudo “Old-fingering-flutes.”—787. The Harmonics of the Flute.—789. The Fingering of Mr. Carte’s Flute of 1867.—790. *The Shakes of the Flute of 1867.*—791. The Fingering of the Flute of Gordon (incorrectly termed the “Boehm Flute”) including that of the “Rockstro’s Model” Flute.—793. *Examples illustrating the uses of the Extra Fingerings.*—794. *Some Notes fingered by means of the Perforations in the Keys.*—795. *The Shakes.*—796. Some Advantages accruing from the Tubular Extension of the $c''\#$ Hole.

CHAPTER XX.

ON TIME, ACCENT, EMPHASIS, PHRASING AND RESPIRATION.

§797. Time.—798. *Beating and Counting Time.*—802. *The Use of the Metronome.*—803. Accent.—805. Accents of Simple Common Time.—806. Accents of Simple Triple Time.—807. Accents of the Compound Times.—810. Emphasis.—811. Accent and Emphasis compared.—812. Phrasing.—814. Respiration.—816. *Examples of good Respiration.*

CHAPTER XXI.

ON THE VARIOUS KINDS OF ARTICULATION, BRILLIANT EXECUTION,
SIGHT-READING AND STYLE.

§817. Articulation.—818. *Double-tonguing.*—823. *Triple-tonguing.*—824. *Combinations of Double-tonguing and Slurring.*—825. The Method of acquiring brilliant Execution.—827. *Graces, or Embellishments.*—828. Sight-reading.—829. Style.

Appendix (A) to Part III. List of Original Music in which the Flute takes a principal part.

Appendix (B.) to Part III. List of Arrangements for the Flute with other Instruments.

PART IV.

BIOGRAPHICAL AND CRITICAL NOTICES OF SIXTY EMINENT FLUTE-PLAYERS. 1640 *circa*, to 1868.

CHAPTER XXII.

PLAYERS ON THE FLUTE WITH ONE OR TWO KEYS.

PHILBERT TO BLAVET.

1640 *circa*, to 1768.

§830. Philbert.—831. Hotteterre.—833. Denner.—834. Loeillet.—836. Buffardin.—837. Mahault.—838. Quantz.—840. Blavet.

CHAPTER XXIII.

PLAYERS ON THE FLUTE WITH FOUR KEYS AND UPWARDS.

TROMLITZ TO PRATTEN.

1730 TO 1868.

§842. Tromlitz.—844. Delusse.—845. Liebeskind.—846. Dothel.—848. Rault.—850. Tacet.—852. Florio.—854. Taubert.—856. Wunderlich.—858. Devienne.—860. Ashe.—861. Hugot.—863. Petersen.—865. Monzani.—867. Gunn.—868. Dulon.—870. Saust.—871. Bayr.—873. Michel.—874. Weiss.—876. Schroeck.—877. Rudall.—878. Berbiguier.—880. Dressler.—882. Keller.—884. Capeller.—886. Kuhlau.—888. Sola.—890. Tulou.—894. Guillou.—896. Gabrielski.—898. Fuerstenau.—900. Drouet.—902. Walckiers.—904. Farrenc.—906. Grenser.—907. Kummer.—909. Nicholson.—911. Boehm.—913. Belcke.—915. Soussmann.—917. Camus.—919. Ribas.—921. Frisch.—923. Côte.—925. Carte.—927. Clinton.—929. Dorus.—930. Richardson.—932. Demeurs.—933. Briccialdi.—935. Pratten.

LIST OF ILLUSTRATIONS AND DIAGRAMS.

\$		
FIG.		
1.	Figure described by a musical string while giving its fundamental sound	44
2.	Figure described by a string while giving its first harmonic	44
3.	Figure described by a string while giving its second harmonic	44
4.	Melde's experiment with a string and a tuning-fork	53
5.	Vibrations of a square plate	56
6.	Mouth-hole of a Flute	87
7.	The common whistle	88
8.	Column of air in a tube stopped at one end	119
9.	Column of air in a tube open at both ends	122
10.	Column of air in a tube stopped at both ends	131
11.	Vibrations of the fundamental sound in an open tube	133
12.	Vibrations of the first harmonic in an open tube	133
13.	Vibrations of the second harmonic in an open tube	135
14.		
15.	Vibrations of a column of air in a stopped tube	138
16.		
17.	Pin-and-socket-joint	323
18.	Sliding metal tube	327
19.	Improved sliding tube	327
20.	Screw-cork, or stopper	330
21.	Scale of distances between the holes of a quasi-cylindrical flute	351
22.	Diagram proving the truth of the proportionals given in fig. 21	351
23.	Diagram showing how the pitch of the flute may be changed, while the true proportions of the scale are preserved	352
24.	Modification of fig. 23	353
25.	Early key enclosed in box, as shown by Virdung (1511)	381
26.	Flute-key working between knobs	381
27.	Early pillars and plates	381
28.	Modern pillars and straps	381
29.	Richard Potter's key	384
30.	Cupped key and pad	385
31.	Cupped key with flat pad	387
32.	Double spring	389
33.	Best form of the flat spring	389
34.	Best form of the needle-spring	390
35.	Perforated key	392
36.	Boehm's crutch	396
37.	<i>Schwegel</i> and <i>Zwerchpfeiff</i> , from Virdung	399
38.	<i>Schwegel</i> and <i>Zwerchpfeiff</i> , from Luscinius	399
39.	Four Swiss pipes, from Agricola	400
40.	Swiss pipe, from Agricola	400
41.	Swiss pipe, from Prætorius	403
42.	German flute, from Mersenne	403

FIG.		§
43.	One-keyed flute, from Hotteterre	416
44.	Flute by F. Boie	426
45.	"Bass flute" in <i>g</i>	443
46.	Ribock's closed <i>c</i> " <i>b</i> key	455
47.	The flutes of Tromlitz and Pottgiesser	496
48.	Nolan's open <i>g</i> " <i>#</i> key	509
49.	W. Wheatstone's mouth-piece	534
50.	Pottgiesser's ring-and-crescent-key	544
51.	An eight-keyed flute by Rudall and Rose	555
52.	Open <i>c</i> " hole for the left hand thumb	565
53.	Open <i>c</i> " key for the left hand thumb	565
53.	Gordon's Flute	570
54.	A flute stated by Boehm to have been made for Gordon	577
55.	Boehm's "Patent flute"	585
56.	A later flute by Boehm	591
57.	The Flute of Côte and Buffet	634
58.	The Dorus <i>g</i> " <i>#</i> key	635
59.	The improved "clutch"	638
60.	Ward's patent flute	641
61.	A "Cylinder flute" by Boehm	655
62.	Briccialdi's <i>b</i> " lever	658
63.	Mr. Carte's patent flute, 1851	663
64.	"Rockstro's Model" flute	682
65.	The flute known as the "1867 patent"	684
66.	Mr. H. W. Carte's alto (or "bass") flute	687
67.	Diagram for the illustration of the fingering of the Gordon ("Boehm") flute, and that of "Rockstro's Model"	792

All the above, with the exception of fig. 61, are engraved on wood by Messrs. T. P. Collings and Co. of London.

CHRONOLOGICAL LIST OF THE BOOKS AND PAPERS QUOTED IN THIS WORK.

NOTE.—Most of these writings are cited as trustworthy and authoritative, but some few of them are mentioned only in order that certain incorrect statements which they contain may be refuted. The dates of the completion of the works are given, when possible, as well as the dates of publication. Lest any reader should be surprised at the omission of the illustrious name of Euler from these lists, it may be explained that that great man's labours have been neither ignored nor underrated, but that, as far as the subjects of this book are concerned, he did but verify the results obtained by others. The names of the owners of such of the following works as have been obtained from private libraries, are given below the titles. Many of these works, as well as all those which have the letters *B.M.* affixed to their titles, may be found in the British Museum.

Since the completion of the historical part of this book the valuable collection of works on the flute, which formed part of the library of my friend Mr. George Spencer, now deceased, has been presented to the British Museum. The entire library of another friend, Mr. Carli Zoeller, also deceased, has been dispersed.

4th Cent. b.c. Ἀριστοξένου Ἀρμονικῶν Στοιχείων. Βιβλία Γ (Aristoxeni Harmonicorum Elementorum. Libri III.). Marcus Meibomius vertit, ac notis explicavit. Amstelodami apud Ludovicum Elzevirium. c15 Ioc LII.
B.M.

4th Cent. b.c. Εὐκλείδου Εἰσαγωγὴ Ἀρμονική (Euclidis Introductio Harmonica). Interpr. Marco Meibomio. Amstelodami. c15 Ioc LII.

Kataromē Kainόvōs (Sectio Canonis) forms part of this work.

1511. A.D. Musica getutscht und ausgezogen durch Sebastianum Virdung, Priesters von Amberg, etc. Basel.
MR. ALFRED H. LITTLETON.

This is the oldest extant work on musical instruments.

1528, 1532. Musica Instrumentalis Deudsch. Martinus Agricola [Sohr or Sore], Gedruckt zu Wittemburg. 1532.
B.M.

1528 is mentioned as the date at which this curious book was delivered to the printer. The first edition was printed in 1529.

1536. *Musurgia seu praxis Musicæ, etc.*, ab Ottomaro Luscino [Nachtgall]. *Argentorati.*
MR. ALFRED H. LITTLETON.

This work consists chiefly of a Latin translation of the German of Virdung (1511). The illustrations are printed from the same blocks as those of Virdung, but many of them have been reversed and their titles misplaced.

1545. *Musica Instrumentalis Deudschi*. Martinus Agricola.
Wittemburg.

B.M. Third edition, with some important additions.

1558. *Le Istitutioni Harmoniche di M. Gioseffo Zarlino da Chioggia*. In Venetia.

B.M.

1571. *Dimostrazioni Harmoniche del R. M. Gioseffo Zarlino da Chioggia*. In Venetia.

B.M.

1588. *Sopplimenti Musicali del R. M. Gioseffo Zarlino da Chioggia*. Nei quali si dichiarano molte cose contenute nei Due primi Volumi, delle Istitutioni e Dimostrazioni; per essere state mal intese da molti; e si risponde insieme alle loro Calonne. In Venetia.

B.M.

1588. *Orchesographie*. Par Thoinot Arbeau [Jehan Taburot].
Langres.

B.M.

1614. *Institution Harmonique*. Par Salomon de Caus.
Francfort 1615.

B.M.

1615. *Les Raisons des Forces Mouvantes*. Par Salomon de Caus. *Francfort.*

B.M.

1618. *Renati Cartesii Compendium Musicæ*. *Trajecti ad Rhenum*. c15 15 c L.

Posthumous publication. At the end of a copy of this work in the British Museum, is the following M.S. note:

In fine manuscripti, ex quo corremus hoc impressum exemplar, invenimus tempus locumque scriptioris hoc modo adscriptum.
Breda Brabantinorum pridie Calendas Januarias Anno 1618 completo.

1620. *Theatrum Instrumentorum seu Sciagraphia Michaëlis Praetorii C. [Schultz]*. *Wolfenbüttel.*

B.M.

A set of plates belonging to the second volume (*Organographia*) of the rare work of Schultz, entitled *Syntagma Musicum*, etc.

1633. *Questions harmoniques*. Paris.

In a copy of this work, in the British Museum, is the following M.S. note: "ce petit ouvrage est du Père Mercene [sic], Religieux Minime." No doubt appears to exist as to the book having been written by Mersenne, though it was published anonymously.

1636, 1637. *Harmonie Universelle*. Par Marin Mersenne, de l'ordre des Minimes. Paris.

B.M. The first volume of this work (1636) contains the *Traitez des Consonances, des Dissonances, des Genres, des Modes, et de la Composition*. This treatise consists of four books. The second volume (1637) contains the *Traitez des Instrumens*. This treatise consists of seven books, of which the fifth is devoted to wind-instruments. Portions of the work were printed in 1627 under the pseudonym of De Sermes.

1637. *Sacrorum Elaeochrismatwn Myrothecium Sacrophanum*. Auctore F. Fortunato Scaccho, Ordinis Eremitarum S. Augustini, etc. (Myrothec. Tertium. Cap. LVII.) *Amstelædami* 1701.

B.M. 1650. Athanasii Kircheri Fuldensis, e Soc. Jesu Presbyteri, *Musurgia Universalis sive Ars magna Consoni et Dissoni*. In X libros digesta. Romæ.

B.M. 1676. The Natural History of Oxfordshire, being an Essay towards the Natural History of England. By Robert Plot, Doctor of Laws. Oxford.

B.M. 1676 or 1677. A Letter, written from Oxford, to the Publisher of *Philosophical Transactions*, by Dr. John Wallis, Savilian Professor of Geometry at Oxford. "Concerning a new Musical Discovery." *Philosophical Transactions*. April, 1677. London.

B.M. 1677. Caspari Bartholini, Thom. Fil., de Tibiis Veterum et earum antiquo usu Libri tres. Romæ.

B.M. 1680. *Essais de Physique*. Tome II. *Essai du Bruit*. Par M. [Claude] Perrault. [Dr. en Med.] Paris.

B.M. 1683. An introductory Essay to the Doctrine of Sounds, containing some Proposals for the Improvement of Acousticks; as it was presented to the Dublin Society, Nov. 12th, 1683. By the Right Reverend Father in God, Narcissus, Lord Bishop of Ferns and Leighlin. *Philosophical Transactions*. London, 1684.

B.M. 1692. A Discourse concerning the Musical Notes of the Trumpet and Trumpet Marine, and of the defects of the same. By the Honble. Francis Roberts, Esq., R.S.S. *Philosophical Transactions*. London.

B.M. 1693. Johannis Wallis, S. T. D. de Algebra Tractatus; *Historicus et Practicus*. Anno MDCLXXXV. Anglicæ Editus;

nunc Auctus Latine. Operum Mathematicorum Volumen alterum. Cap. CVII. De Chordis Musicæ Experimentum. *Oxonie.*

B.M.

This chapter is not in the English Edition.

1694. Explication des Différences de Sons de la Corde tendue sur la Trompette Marine. Par M. [Philippe] de La Hire. *Paris.*

B.M.

1697. Traité de Musique spéculative, par Joseph Sauveur, Professor Royal des Mathématiques, etc.

Read by the Author at the *Collège Royal*, and quoted by him in his paper of 1701.

1699. Principes de la Flûte Traversière, ou Flûte d'Allemagne, de la Flûte à bec, ou Flûte douce, et du Hautbois. Divisez par Traitez. Par le Sieur Hotteterre-le-Romain, Ordinaire de la Musique du Roy. *Paris.*

There is a fine copy of the second edition of this work, 1707, in the library of the Paris Conservatoire. The copy in the British Museum is a counterfeit, probably of 1708, printed at Amsterdam.

1700. Sur la Détermination d'un Son fixe. Par M. Sauveur. *Histoire de l'Académie Royale des Sciences. Paris.*

B.M.

1701. Système général des Intervalles et son application à tous les Instrumens de Musique. Par M. Sauveur. *Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1702. Application des Sons Harmoniques à la Composition des Jeux d'Orgues. Par M. Sauveur. *Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1707. Méthode générale pour former les Systèmes tempérés de Musique, et du choix de celui qu'on doit suivre. Par M. Sauveur. *Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1709. A Comparison between the French and Italian Musick and Operas. *London.*

B.M.

This is a translation of a portion of *Parallèle des Italiens et des François, en ce qui regarde la Musique et les Opéras*, by the Abbé François Raguenet, first printed in Paris, in 1702.

1710. Méthode pour apprendre aisément à jouer de la Flûte Traversière, etc. Par [Michel] Corrette. *Paris.*

B.M.

The date 1710 is given on the authority of Mendel and Reissmann.

1711. Table générale des Systèmes tempérés de Musique. Par M. Sauveur. *Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1713. Rapport des Sons des Cordes d'Instruments de Musique, aux Flèches des Cordes, etc. [Posthumous paper] Par M. Sauveur. *Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1722. Gabinetto Armonico, Pieno d'Istromenti sonori, indicati, e spiegati dal Padre Filippo Bonanni, Della Compagnia di Giesù. *In Roma.*

B.M.

1730. The Modern Musick-Master, or the Universal Musician. . . . Curiously adorned with Cuts representing the Manner of Performing on every Instrument. Anonymous. *London.*

MR. HENRY W. CARTE.

This curious work is advertised in a daily newspaper, of March 2nd, 1730, as a second edition, but it is not so described on the title page.

1732. Musikalisches Lexicon. Von J. G. Walther. *Leipzig.*

B.M.

1737. Sur la Propagation du Son dans les différents Tons qui le modifient. Par Jean Jacques Dortous de Mairan. *Histoire et Mémoires de l'Académie Royale des Sciences. Paris.*

B.M.

1737. Génération Harmonique, ou Traité de Musique, Théorique et Pratique. Par Jean Philippe Rameau. *Paris.*

B.M.

1749. Harmonics, or the Philosophy of Musical Sounds. By Robert Smith, D.D., F.R.S., Master of Trinity College, Cambridge. *Cambridge.*

B.M.

1749. Démonstration du Principe de l' Harmonie. Servant de Base à tout l'Art musical, théorique et pratique. Approuvée par Messieurs de l'Académie Royale, etc. Par M. [Jean Philippe] Rameau. *Paris, 1750.*

B.M.

1750. Nouvelle Découverte du Principe de l'Harmonie. Avec un Examen de ce que M. Rameau a publié sous le Titre de *Démonstration de ce Principe*. Par M. [Pierre] Estève, de la Société Royale des Sciences de Montpellier. (Présenté à l'Académie Royale des Sciences en 1750). *Paris, 1752.*

B.M.

1751. Article, *Basse de Flûte Traversière*. [By Diderot]. Encyclopédie ou Dictionnaire raisonné des Sciences, des Arts et des Métiers, par une Société de Gens de Lettres. Mis en ordre et publié par M.M. Diderot et D'Alembert. Tome II. *Paris.*

B.M.

1752. Johann Joachim Quantzens, Königl. Preussischen Kammer-musikus, Versuch einer Anweisung die Flöte tra-

versiere zu spielen: mit verschiedenen, zur Beförderung des guten Geschmackes in der praktischen Musik dienlichen Anmerkungen begleitet, und mit Exempeln erläutet. *Berlin.*
MR. CARLI ZOELLER.

An exceedingly fine copy of the first German edition.

1752. [A French translation of the preceding work.] *Essai d'une Méthode pour apprendre à jouer de la Flûte Traversière, avec plusieurs Remarques pour servir au Bon Gout dans la Musique. Le tout éclairci par des Exemples.* Par Jean Joachim Quantz, Musicien de la Chambre de sa Majesté le Roi de Prusse. *Berlin.*
MR. HENRY W. CARTE.

An extremely rare work. The above *Méthode* was translated into Dutch by Jacob Wilhelm Lustig, and published at Amsterdam in 1754. Mr. Zoeller possesses a fine copy of this translation.

In 1780 and 1789 posthumous editions in German were printed at Breslau. A portion of the work has been translated into English, and utilized as an instruction-book for singing.

1753A. *Réflexions et Eclaircissements sur les Nouvelles Vibrations des Cordes, exposées dans les Mémoires de l'Académie de 1747 [Recherches sur la Courbe que forme une Corde tendue mise en vibration. Par M. D'Alembert] et de 1748 [Sur la Vibration des Cordes. Par M. Euler].* Par M. Daniel Bernoulli. *Mémoires de l'Académie Royale des Sciences, etc., de Berlin.* *B.M.*

1753B. *Sur le Mélange de plusieurs espèces de Vibrations simples, isochrones, qui peuvent coexister dans un même Système de Corps.* Par M. Daniel Bernoulli.

In the same volume as the preceding paper.

1754. Johann Joachim Quantzens Lebenslauf, von ihm selbst entworfen. *Historische-Kritische Beyträge zur Aufnahme der Musik von Friedrich Wilhelm Marpurg; Band I.* *Berlin.*
MR. CARLI ZOELLER.

1756. Article, *Flûte.* [By Diderot] *Encyclopédie ou Dictionnaire, etc. Tome VI.* *Paris.* See 1751.

1759. *Harmonics, etc.,* by Robert Smith, D.D., F.R.S. Second Edition. *London.* See 1749.
B.M.

1759. *Recherches sur la Nature et la Propagation du Son.* Par M. [Joseph] Louis [Comte] de La Grange. *Miscellanea Philosophico-Mathematica Societatis private Taurinensis. Tom. I.* *Turin.*
B.M.

1760, 1761. *Nouvelles Recherches sur la Nature et la Propagation du Son.* Par M. de La Grange. *Miscellanea Taurinensis.* [The usual title of the publications of the before-mentioned Society.] *Tom. II.* *Turin.*
B.M.

1762. *Recherches Physiques, Mécaniques et Analytiques, sur le Son et sur les Tons des tuyaux d'Orgues différemment construits.* Par M. Daniel Bernoulli. *Mémoires de l'Académie Royale des Sciences, etc.* *Paris.*
B.M.

1763. "Sur quelques Instrumens acoustiques." Par Jean Henri Lambert. *Histoire de l'Académie Royale des Sciences, etc.* *Berlin.* *B.M.*

1764. *Dictionnaire de Musique.* Par Jean Jacques Rousseau. *Amsterdam.*
 Not printed until 1768.

1767. *Delle Corde ovvero Fibre Elastiche. Schediasmi Fisico-matematici del Conte Giordano Riccati.* *Schediasma V. Delle vibrazioni delle corde aeree.* *Bologna.*
B.M.

1767. *Recueil des Planches. Tome IV., Luthérie. Encyclopédie ou Dictionnaire, etc.* *Paris.* See 1751.

1775. *Observations sur les Flûtes.* Par Jean Henri Lambert. *Nouveaux Mémoires de l'Académie Royale des Sciences, etc., de Berlin.* *Berlin.* 1777.
B.M.

1776. *A general History of the Science and Practice of Music.* By Sir John Hawkins. *London.*
B.M.

1776. *Compleat Instructions for the German Flute.* Anonymous. *London.*
B.M.

1779. *Saggio per ben sonare il Flauto traverso, con alcune notizie generali ed utile per qualunque strumento, ed altre concernenti la storia della musica: opera del Dr. Antonio Lorenzoni.* *Vicenza.*
MR. CARLI ZOELLER.

A rare work.

1780. *Essai sur la Musique Ancienne et Moderne.* *Paris.*
B.M.
 This book was published anonymously. It was written by J. B. de La Borde and P. J. Roussier.

1782. J. J. H. R. [Dr. J. J. H. Ribock.] *Bemerkungen über die Flöte, und Versuch einer Kurzen Anleitung zur bessern Einrichtung und Behandlung derselben.* *Stendal.*
B.M.

1783. *Ueber Musik, an Floetenliebhaber in Sonderheit.* [Signed] J. J. H. R. [Ribock.] *Magazin der Musik Herausgegeben von Carl Friedrich Cramer, Professor in Kiel.* *Erster Jahrgang.* *Hamburg.*
B.M.

1783. Nachricht von Tromlitzischen Flöten. [Signed] Johann George Tromlitz.
In the same volume as the preceding paper.
1785. Specification of Patent by Richard Potter. German Flute, etc. No. 1499. London.
1785. Encyclopédie Méthodique. Premiers Editeurs, MM. Diderot et D'Alembert. Partie, Arts et Métiers mécaniques. Tome IV. Instrumens de Musique et de Luthéria (Art du faiseur de) Article, Flûte. Paris.
- B.M.
1786. Kurze Abhandlung vom Flötenspielen, von Johann George Tromlitz. Leipzig.
MR. CARLI ZOELLER.
- 1789 (circa). New Instructions for the German Flute, containing the Easiest and most Modern Methods for Learners to play, to which is Added . . . a Complete Scale and Description of a new-invented German Flute with the additional Keys, such as play'd on by two eminent Masters, Florio and Tacet. Anonymous. London.
MR. CARLI ZOELLER.
- 1790 (circa). Flute Preceptor. By J. Wragg. [First Edition] London.
B.M.
1790. Historisches-biographisches. Von E. L. Gerber. See 1792.
1791. Ausführlicher und gründlicher Unterricht die Flöte zu spielen, von Johann George Tromlitz, Tonkünstler und Flötenist. Leipzig.
MR. GEORGE SPENCER.
1792. Historisches-biographisches Lexicon der Tonkünstler, etc. Von E. L. Gerber. 1790-2 Leipzig.
B.M.
1793. The Art of Playing the German-flute on New Principles, etc. By John Gunn. London.
MR. GEORGE SPENCER.
1795. Méthode pour la Flûte. Par F. Devienne. Professeur au Conservatoire de Musique. Paris.
MR. GEORGE SPENCER.
1796. An Essay on Musical Harmony. By Augs. Fredk. Chistr. Kollmann. London.
B.M.
1800. Ueber die Flöten mit mehrern Klappen, deren Anwendung und Nutzen. Nebst noch einigen andern dahin gehörigen Aufsätzen, von Johann George Tromlitz, Tonkünstler und Flötenist. Als Zweyter Theil zu meinem ausführlichen und gründlichen Unterricht die Flöte zu spielen. Leipzig.
MR. GEORGE SPENCER.

1800. Letters from J. G. Tromlitz and H. Grenser. *Allgemeine Musikalische Zeitung*. Leipzig.
B.M.
- 1800A. Outlines of Experiments and Inquiries respecting Sound and Light. By Thomas Young, M.D., F.R.S., Professor of Natural Philosophy in the Royal Institution of Great Britain. *Philosophical Transactions*. London.
- B.M.
- 1800B. Essay on Music. By Thomas Young, M.D., etc. *The British Magazine*. London.
- B.M.
1801. Méthode de Flûte. Par Hugot et Wunderlich, Membres du Conservatoire. Adoptée pour servir à l'étude dans cet Etablissement. Paris.
MR. GEORGE SPENCER.
1802. On the Properties of Wind Instruments, Consisting of a single Pipe or Channel; with Improvements in their Construction. By Wm. Close. *Nicholson's Journal of Natural Philosophy*, etc. Vol. V. London.
B.M.
1802. Die Akustik. Von Dr. E. F. F. Chladni. Leipzig.
B.M.
- A French edition of this work, entitled *Traité d'Acoustique*, adapted by the Author, was published in Paris in 1809.
1803. Ueber die Fehler der bisherigen Flöten, besonders der Klappen Flöten, nebst einem Vorschlage zur besseren Einrichtung derselben. Anonymous. [The Author of this paper was Dr. H. W. Pottgiesser] *Allgemeine Musikalische Zeitung*. No. 37. Leipzig.
B.M.
1806. Improved Flute Preceptor. By J. Wragg. Op. 6. London.
B.M.
1806. Brevet d'invention de cinq ans. Pour une flûte en cristal. Au sieur [Claude] Laurent, horloger à Paris. No 236. 21 novembre. Paris.
THE PATENT OFFICE, LONDON.
1807. Lectures on Sound. By Thomas Young, M.D., F.R.S. Delivered at the Royal Institution. London.
B.M.
1808. Dülons des blinden Flötenspielers Leben und Meynungen von ihm selbst bearbeitet. Herausgegeben von C. M. Wieland. Zurich.
B.M.
1808. Specification of Patent by William Henry Potter. German Flutes, etc. No. 3136. London.

1808. Specification of Patent by Charles Gostling Townley. Key to regulate the Tone of Flutes, etc. No. 3159. *London.*
1808. Specification of Patent by Charles Gostling Townley. Flutes, Organ Pipes, etc. No. 3182. *London.*
1808. Specification of Patent by Frederick Nolan. Flutes, Flageolets, etc. No. 3183. *London.*
1809. *Traité d'Acoustique.* Par Dr. E. F. F. Chladni. *Paris.* See 1802.
B.M.
1810. Specification of Patent by Thomas Scott. Improved German Flute, Clarionet and Oboe. No. 3314. *London.*
1810. Specification of Patent by Malcolm MacGregor. Wind Musical Instruments. No. 3349. *London.*
1810. Specification of Patent by George Miller. "A Method of making Wind Instruments, commonly called Military Fifes, of Substances never before used for that purpose." No. 3383. *London.*
- 1810, 1811. *Dictionnaire Historique des Musiciens, Artistes et Amateurs, morts ou vivans.* Par A. E. Choron et F. J. M. Fayolle. *Paris.*
B.M.
1811. Neue Erfindung Zur Vervollkommnung der Flöte. [Signed] Carl Maria von Weber. *Allgemeine Musikalische Zeitung.* *Leipzig.*
B.M.
1811. Bemerkungen über eine neue Erfindung, etc. [Signed] Heinrich Grenser. In the same volume as the preceding paper.
1812. Specification of Patent by Tebaldo Monzani. Clarionets and Flutes. No. 3586. *London.*
- 1812, 1814. Neues Historisches-biographisches Lexicon der Tonkünstler, etc. Von E. L. Gerber. *Leipzig.*
B.M.
1814. Specification of Patent by James Wood. German Flutes, Clarionets and Bassoons. No. 3797. *London.*
1816. *Traité de Physique Expérimentale et Mathématique.* Livre II., De l'Acoustique. Par J. B. Biot. *Paris.*
B.M.
1817. A Musical Grammar. Third [posthumous] edition. By Dr. Callcott. *London.*
- 1818, etc. The Quarterly Musical Magazine and Review. Vols. I. to IX. *London.*
MR. R. CARTE.

- 1820 (*circa*). Nouvelle Méthode pour la Flûte, divisée en trois Parties. Par T. Berbiguier. *Paris.*
MR. GEORGE SPENCER. In this work there appears to have been a comparatively recent interpolation of twelve pages, explanatory of the "extra keys."
1823. New Experiments on Sound. On the Phonic Molecular Vibrations. By Sir Charles Wheatstone, D.C.L., F.R.S. *Thomson's Annals of Philosophy.* Vol. VI. [This, and the subsequent papers by the same author (1827, 1828, 1832A and 1832B), were re-printed by the Physical Society of London, amongst *The Scientific Papers of Sir Charles Wheatstone.*] *London, 1879.*
1823. Recherches sur les Vibrations de l'Air. Par M. Félix Savart. *Annales de Chimie et de Physique.* Tome XXIV. *Paris.*
B.M.
- 1824 (*circa*). A New Instruction Book for the Flute, etc. By Charles N. Weiss. Op. 50. *London.*
MR. GEORGE SPENCER. Nachtrag zu der Abhandlung: "Ueber die Fehler, etc." im Jahr 1803. [Signed] H. W. Pottgiesser. *Allgemeine Musikalische Zeitung.* *Leipzig.* See 1830.
B.M.
1824. Eine Stimme über den Nachtrag des Hrn. Dr. Pottgiesser, etc. [Signed] Karl Grenser. In the same volume as the preceding paper.
1825. Nouvelles Recherches sur les Vibrations de l'Air. Par M. Félix Savart. *Annales de Chimie et de Physique.* Tome XXIX. *Paris.*
B.M.
1826. A Word or Two on the Flute. By W. N. James. *London.*
1826. Dizionario e Bibliografia della Musica, del Dottore Pietro Lichtenthal. *Milano.*
MR. CARLI ZOELLER.
1827. Méthode pour la Flûte. Dédiée à S. M. le Roi de Prusse. Par Louis Drouet. *Mayence, Anvers et Bruxelles.*
MR. GEORGE SPENCER. Printed in French and German. The first edition was in French only, and was published in Paris in the same year. An English edition, by the Author, with considerable additions, was printed in 1830.
1827. The Flutist's Magazine. Edited by W. N. James. Vol. I. *London.*
1827. Description of the Kaleidophone, or Phonic Kaleidoscope. By Sir Charles Wheatstone. See 1823.
1827. A Biographical and Historical Dictionary of Musicians. Second Edition. [Anonymous]. *London.*

1828. Dressler's New and Complete Instructions for the Flute. Op. 68. *London.*
MR. GEORGE SPENCER.

1828. Klappen für *c'* und *b'* auf der Flöte. [Signed] Gfr. Weber. *Caecilia, eine Zeitschrift für die Musikalische Welt.* Band 9. Mainz.
B.M.

1828. On the Resonances or Reciprocated Vibrations of Columns of Air. By Sir Charles Wheatstone. See 1823.

1828. Flötenschule von A. B. Fuerstenau. Op. 42. *Leipzig.*
MR. E. KOERBER.

1828. Handbuch der Musikalischen Literatur, oder allgemeines systematisch geordnetes Verzeichniss gedruckter Musikalien, auch musikalischer Schriften und Abbildungen, etc. Von C. F. Whistling. *Leipzig.*
B.M.

1828. The Elements of Flute-playing, according to the most approved Principles. By Thomas Lindsay. *London.*
MR. GEORGE SPENCER.

1829. The Flutist's Magazine. Edited by W. N. James. Vol. III. *London.*

1829 (circa). Méthode de Flûte. Par Eugène Walckiers. *Paris.*
MR. GEORGE SPENCER.

1830. Drouet's Method of Flute-playing. See 1827. *London.*
MR. GEORGE SPENCER.

1830. Essay on Sound. By Sir John F. W. Herschel, Bart., K.H., M.A., D.C.L., F.R.S., etc. *Encyclopædia Metropolitana.* *London.*
B.M.

1831. Note sur la limite de la Perception des Sons graves. Par Félix Savart. *Annales de Chimie et de Physique.* Tom. XLVII. *Paris.*
B.M.

1832. Scale and Description of Boehm's newly-invented patent Flute, manufactured and sold by the patentees only, Gerock and Wolf. 79 Cornhill, *London.*
MR. CARTE, SENIOR.

There is no date to this pamphlet, but it was reviewed in *The Harmonicon* of April, 1832.

1832A. Experimental Verification of the Truth of Bernoulli's Theory of Wind-Instruments. By Sir Chas. Wheatstone. See 1823.

1832B. On the Vibrations of Columns of Air in Cylindrical and Conical Tubes. A Lecture delivered at the Royal Institu-

tion of Great Britain on March 15th, by Sir Chas. Wheatstone. See 1823.

Reprinted from a very imperfect report, but apparently the only one existing, in *The Athenæum* of March 24th.

1832. Violinschule. Original Ausgabe. Von Louis Spohr. *Wien.*
B.M.

1832. Specification of Patent by George Rudall and John Mitchell Rose. Flutes. No. 6338. *London.*

1833. On Aerial Vibrations in Cylindrical Tubes. By William Hopkins, M.A. *Transactions of the Cambridge Philosophical Society.* Cambridge.
B.M.

1834. Nachricht. Signed "Pellisov." [By Dr. Carl Von Schafhäutl, Professor in the Royal University of Bavaria.] *Allgemeine Musikalische Zeitung.* No. 5. Jan. 29. *Leipzig.*
B.M.

This is the report to which Theobald Boehm alludes in his letter to Côte, dated June 2nd, 1838.

1834. Au sieur Laurent (Claude) à Paris. Brevet de perfectionnement de cinq ans. Pour des perfectionnements apportés aux flûtes allemandes descendant jusqu'au sol d'en bas. 25 Mars. *Paris.*
THE PATENT OFFICE, LONDON.

1834. Der Physikalische und Musikalische Tonmesser. Von Johann Heinrich Scheibler. *Essen.*
B.M.

1834 (post). Die Kunst des Flötenspiels in theoretisch-praktischer Beziehung dargestellt. Von A. B. Fuerstenau. *Leipzig und Paris.*
MR. E. KOERBER.

1835 (circa). Méthode de Flûte, progressive et raisonnée, adoptée par la Comité d'Enseignement du Conservatoire National de Musique. Par Tulou. *Paris.*
MR. GEORGE SPENCER.

This work was evidently written at various periods, extending over a considerable number of years.

1836. A School for the Flute. (Dedicated to Queen Adelaide.) By Charles Nicholson. *London.*
MR. GEORGE SPENCER.

1838A. Examen Critique de la Flûte ordinaire comparée à la Flûte Böhme, présenté à MM. les Membres de l'Institut (Académie Royale des Beaux-Arts, Section de la Musique). Par V. Côte, Professeur au Conservatoire. *Paris.*
MR. CARTE, SENIOR.

An exceedingly rare pamphlet.

1838B. Méthode pour servir à l'enseignement de la nouvelle

Flûte, inventée par Gordon, modifiée par Boehm, et perfectionnée par V. Côte et Buffet jeune. Dediée à Mons Cherubini, Directeur du Conservatoire de Musique. Par V. Côte, Professeur au Conservatoire. Op. 15. *Paris.*
Published in 1839.

1839. Brevet d'invention de cinq ans, *en date du 22 Janvier.* Au sieur Buffet jeune à Paris, pour une nouvelle flûte dont les dispositions peuvent s'appliquer à la petite flûte. No. 6339. *à Paris.*

THE PATENT OFFICE, LONDON.

1840. Handbuch der Physiologie des Menschen. Von Johannes Mueller. Vol. II. *Coblenz.*
B.M.

1840. "Mémoire présenté à l'Académie [Royale des Sciences] le 24 février, 1840." Par M. A. Cavaillé-Coll. [This important paper was described by its author in *Comptes Rendus*, 1860, but it has never been printed.] *Paris.*

1842A. Encyclopädie der gesammten Musikalischen Wissenschaften, oder Universal Lexicon der Tonkunst. Redacteur Dr. Gustav Schilling. 1835-42 *Stuttgart.*
B.M.

1842B. Das Musikalische Europa. Von. Dr. G. Schilling. *Speyer.*
B.M.

1842. Specification of Patent by Cornelius Ward. Flutes. No. 9229. *London.*

1843. A Theoretical and Practical Essay on the Boehm Flute, as manufactured by Messrs. Rudall and Rose. Intended for those who have a previous Knowledge of the old Flute, etc. By John Clinton. *London.*
MR. HENRY W. CARTE.

1843. A Letter by Cornelius Ward. *The Musical World,* Nov. 7th. *London.*

1843. Ueber die Definition des Tones, nebst daran geknüpfter Theorie der Sirene und ähnlicher tonbildender Vorrichtungen. Von G. S. Ohm. *Poggendorff's Annalen.* Band LIX. *Leipzig.*
B.M.

1843. Ueber die Sirene. Von August Seebek. *Poggendorff's Annalen.* LX. *Leipzig.*
B.M.

1844. Handbuch der musikalischen Literatur, etc. Von C. F. Whistling. Ergänzte Auflage. *Leipzig.* See 1828.
B.M.

1844. Noch ein Paar Worte über die Definition des Tones. Von G. S. Ohm. *Poggendorff's Annalen.* LXII. *Leipzig.*
B.M.

1844. I. Ueber die Definition des Tones.
II. Ueber die Erzeugung von Tönen durch getrennte Eindrücke, mit Beziehung auf die Definition des Tones. Von A. Seebek. *Poggendorff's Annalen.* LXIII. *Leipzig.*
B.M.

1844. The Flute explained; being an Examination of the Principles of its Structure and Action, etc. By Cornelius Ward. *London.*

1845. Specification of Patent by Abel Siccam. B.A. No. 10, 553. *London.*

1845. A Complete Course of Instruction for the Boehm Flute with the open G key as well as with the closed G key. Designed for beginners as well as for those acquainted with the old Flute; and preceded by an Analysis of the Boehm Flute and of the Old eight-keyed Flute, etc. Dedicated to George Rudall, Esq. By R. Carte. *London.*

1846. A School, or Practical Instruction Book for the Boehm Flute, with the open or shut G# key. Dedicated to T. Boehm. By John Clinton. *London.*
B.M.

1846. Observations on Correctness of Tune applied to the Flute. By Abel Siccam, B.A., Patentee. *London.*

1847. Theory of the New Patent Diatonic Flute. By Abel Siccam, B.A., Patentee. *London.*

1847. Specification of Patent by John Mitchell Rose. Flutes, Clarionets, etc. No. 11, 853. *London.*

1847. Ueber den Flötenbau und die neuesten Verbesserungen desselben. Von Theobald Boehm. *Mainz.*
B.M.

A French translation of this pamphlet was published in the following year, and in 1882 it was printed in English with some additions and many omissions.

1848. Specification of Patent by John Clinton. Flutes. No. 12, 378. *London.*

1849. Camus's New and Improved Tutor for the Boehm Flute. *London.*
B.M.

The first Edition was published in Paris in 1839.

1850. Specification of Patent by Richard Carte. Flutes, Clarionets, Hautboys and Bassoons. No. 12, 996. *London.*

1851. Recherches sur l'Organe de l'ouïe des Mammifères. Par Le Marquis Alphonse Corti. *Zeitschrift für Wissenschaftliche Zoologie herausgegeben von C. T. v. Siebold und A. Kölleker.* Vol. III. *Leipzig.*
B.M.

1851. A Sketch of the successive Improvements made in the Flute, etc. By Richard Carte. *London.*
1851. A Second Edition of the *Course of Instruction* by R. Carte, adapted for his Flute patented in 1850. See (1845). *London.*
- 1852 (*circa*). A Treatise upon the Mechanism and general Principles of the Flute. By John Clinton. *London.*
1852. Die Physik in ihren wichtigsten Resultaten. Von Friedrich Zamminer. *Stuttgart.*
B.M.
- 1853, Compendium der Physik. Von Dr. G. S. Ohm. *Nürnberg.*
B.M.
1855. A Few Practical Hints to Flute-players upon the Subject of Modern Flutes, their Principles and their Construction; to which is prefixed an Explanation of the Equisonant Flute. By J. Clinton. *London.*
B.M.
- 1855A. Sur le Mouvement vibratoire de l'Air dans les Tuyaux. Par M. [Friedrich] Zamminer, Professeur de l'Université de Giessen. (Extrait par l'Auteur) *Comptes Rendus, Nov. 26. Vol. XLI. Paris.*
B.M.
- 1855B. Die Musik und die musikalischen Instrumente, etc. Von Friedrich Zamminer. *Giessen.*
B.M.
1857. Table de Logarithms acoustiques précédée d'une Instruction élémentaire. Par [Charles, Edouard, Joseph] Delezenne. *Lille.*
B.M.
1857. On the Physiological causes of Harmony in Music. A Lecture delivered at Bonn in 1857, by H. L. F. Helmholz, M.D., etc. Translated by E. Atkinson. *London, 1873.*
"MUDIE'S"
1859. The Principles and Practice of Just Intonation. By T. Perronet Thompson. Third Edition. *London.*
B.M.
1860. Biographie Universelle. Par F. J. Fétis. See 1865.
1860. Etudes expérimentales sur les Tuyaux d'Orgues, etc. Par M. Aristide Cavaillé-Coll. *Comptes Rendus. Tom. L. Paris.*
B.M.
1862. Specification of Patent by John Clinton. Flutes. No. 886. *London.*
1863. Die Lehre von den Tonempfindungen. Von Hermann L. F. Helmholz, M.D., etc. *Braunschweig.* See 1875 and 1885.
B.M.

1863. Specification of Patent by John Clinton. Flutes. No. 617. *London.*
1863. A School for the [Eight-keyed] Flute. By Richard S. Rockstro. *London.*
1863. A School for the [so-called] Boehm Flute. By Richard S. Rockstro. *London.*
1864. Die Lehre von den Schwingungskurven. Von Dr. Franz Melde. *Leipzig.*
B.M.
1865. Musikalisch Lexicon, etc. Von Heinrich Christoph Koch. *Leipzig.*
B.M.
1865. Biographie Universelle des Musiciens, et Bibliographie Générale de la Musique. Par F. J. Fétis. Deuxième Edition. 1860-65. *Paris.*
B.M.
- 1866A. Ueber eine neue Art akustischer Staubfiguren, und über die Anwendung derselben zur Bestimmung der Schallgeschwindigkeit in festen Körpern und Gasen. Von Dr. August Kundt. *Poggendorff's Annalen. CXXVII. Leipzig.*
B.M.
- 1866B. Ueber die Erzeugung von Klangfiguren in Orgelpfeifen und über die Wirkung tönender Luftsäulen auf Flammen; von Dr. August Kundt. *Poggendorff's Annalen. CXXVIII. Leipzig.*
B.M.
1866. Specification of Patent by Richard Carte. Flute. No. 3208. *London.*
1867. Sound. By John Tyndall. 1st Edition. See 1883.
1868. On Sound and Atmospheric Vibrations, etc. By [Sir] George Biddell Airy, Astronomer Royal. *Cambridge.*
B.M.
1868. Untersuchungen über die Schallgeschwindigkeit der Luft in Röhren. Von August Kundt. *Poggendorff's Annalen. CXXXV. Leipzig.*
B.M.
1868. Die Flöte und das Flötenspiel, etc. Von Theobald Boehm. *München.*
MR. E. KOERBER.
This pamphlet was completed in 1868, and was printed in 1871.
1869. Histoire générale de la Musique. Par F. J. Fétis. *Paris.*
B.M.
1870. Theoretical Acoustics. By W. F. Donkin, Savilian Professor of Astronomy at Oxford. *Oxford.*
B.M.

1870. Ueber die Fort-pflanzungsgeschwindigkeit des Schalls in Röhren. Von A. Seebeck. *Poggendorff's Annalen*. CXXXIX. Leipzig.
B.M.
1872. Les Flammes Manométriques. Par Rudolph Koenig. *Poggendorff's Annalen*. [This, and the subsequent papers by the same author, (1881A and 1881B), have been translated into French and published as *Quelques Expériences d'Acoustique*. Par Rudolph Koenig, Docteur en Philosophie.] Paris. 1882.
B.M.
1873. On some Errors of Statement, concerning Organ-pipes, in recent Treatises on Natural Philosophy. By Hermann Smith. *Nature*. May 15th. Vol. VIII. London.
B.M.
- 1874A. On the Variability of Node in Organ-pipes. By Hermann Smith. *Nature*. Feb. 19th. Vol. IX. London.
B.M.
- 1874B. On the Physical Action taking place at the Mouth of Organ-pipes. By Hermann Smith. *Nature*. July 2nd. Vol. X. London.
B.M.
- 1874C. On the Process of Tone-making in Organ-pipes. By Hermann Smith. *Nature*. Oct. 15th. Vol. X. London.
B.M.
1875. La Teoria del Suono nei suoi Rapporti colla Musica. Dieci Conferenze del Prof. Pietro Blaserna, della R. Universita Romana. Milano.
B.M.
1875. On the Sensations of Tone as a physiological Basis for the Theory of Music. By H. L. F. Helmholtz, M.D., etc. Translated from the third German Edition of 1870 by Alexander J. Ellis, B.A., F.R.S., F.S.A., etc. With Notes and Additions by the Translator. First English Edition. London. See 1863 and 1885.
B.M.
1875. On the Graphic Method of representing Musical Intervals, with Illustrations of the Construction of the Musical Scale. A paper read by Wm. Pole, F.R.S., Mus. Doc. Oxon., to the Musical Association of London on Dec. 6th. London.
1877. The Philosophy of Music, being the substance of a Course of Lectures delivered at the Royal Institution of Great Britain in February and March 1877. By William Pole, F.R.S., Mus. Doc. Oxon. London. 1879.
B.M.
1877. Leben und Werke des Flötisten Johann Joachim Quantz Lehrers Friedrich des Grossen. Nach den Quellen dargestellt von Albert Quantz. Berlin.
MR. E. KOERBER.

1877. On the History of Musical Pitch. By A. J. Ellis, B.A., etc. *Journal of the Society of Arts*, May 25th. London.
1877. Les Hotteterre. Notes biographiques, par Jules Carlez. Caen.
MR. CARLI ZOELLER.
- 1877, 1878. The Theory of Sound. By John William Strutt (Baron Rayleigh), M.A., F.R.S. Cambridge.
MR. GEORGE SPENCER.
1878. Histoire de l'Instrumentation depuis le seizième siècle jusqu'à nos jours. Par H. Lavoix fils, de la Bibliothèque Nationale. Paris.
MR. CARLI ZOELLER.
1878. Letters by Theobald Boehm. *Musical Opinion*. March 1st, 1890. London.
- 1878, 1880. Supplément et Complément (Biog. Univ. des Musiciens, etc., par F. J. Fétis). Publié sous la direction d'Arthur Pougin. Paris. See 1865.
B.M.
- 1880A. On the History of Musical Pitch. (Second Paper). By A. J. Ellis, B.A., etc. *Journal of the Society of Arts*. March 5th. London.
- 1880B. Notes of Observations on Musical Beats. By A. J. Ellis, B.A., etc. *Proceedings of the Royal Society*. No. CCV. May 28th. London.
1880. Musikalisches Conversations-Lexikon. Begründet von Hermann Mendel. Vollendet von Dr. August Reissmann. Zweite Ausgabe. Berlin.
MR. E. KOERBER.
- 1881A. Sur l'Origine des Battements et Sons des Battements d'Intervalles Harmoniques. Par Rudolph Koenig. See 1872.
- 1881B. Remarques sur le Timbre. Par Rudolph Koenig. *Wiedemann's Annalen*. See 1872.
1882. Translation, from the German, of a Letter on the "Boehm Flute," by Professor von Schafhäutl. *The Musical World*, Feb. 18th. London.
1882. Quelques Expériences d'Acoustique. Par Rudolph Koenig. See 1872.
1883. Sound. By John Tyndall, D.C.L., LL.D., F.R.S., Professor of Natural Philosophy in the Royal Institution of Great Britain. 4th Edition. London. See 1867.
1884. A Description of the "Rockstro-Model" flute, with complete Tables of the Fingering, and Examples of Facilitated Passages. By Richard S. Rockstro. London.

1884. Le Musée du Conservatoire National de Musique. Catalogue descriptif et raisonné. Par Gustave Chouquet, Conservateur du Musée. Nouvelle Edition. *Paris.*

1885. On the Sensations of Tone, etc. By H. L. F. Helmholtz, M.D., etc. Second English Edition. Translated, Revised and Corrected, rendered conformable to the Fourth (and last) German Edition of 1877, with additional Notes, and a new additional Appendix, bringing down information to 1885. By A. J. Ellis, B.A., etc. See 1863 and 1875. *London.*
B.M.

1885. Report of a Meeting held at St. James's Hall on June 20th, Sir George Macfarren in the Chair, "to consider the desirability of a Standard Musical Pitch for the United Kingdom." *Musical Opinion, July 1st. London.*

1886. Biographical Dictionary of Musicians. By James D. Brown of Glasgow. *London.*
B.M.

1889. A Dictionary of Music and Musicians (A.D. 1450-1889). Edited by Sir George Grove, D.C.L. *London, 1879-89.*

1890. Wind-instruments from a medical Point of View, with special Reference to Phthisis and Emphysema of the Lungs. By G. T. Hankins, M.R.C.S. Eng., L.S.A., Hon. Surgeon Royal Prince Alfred Hospital, Sydney. A Paper read before the N.S.W. Branch of the British Medical Association. *Australasian Medical Gazette.*

AN ALPHABETICAL ARRANGEMENT OF THE NAMES OF THE AUTHORS, TOGETHER WITH THE DATES OF THE BOOKS AND PAPERS ENUMERATED IN THE FOREGOING LIST.

AGRICOLA [SOHR OR SORE] (MARTINUS)	-	1528, 1532, 1545
AIRY (SIR GEORGE BIDDELL)	-	1868
ARBEAU [TABUROT] (THOINOT [JEHAN])	-	1588
ARISTOXENUS (of Tarentum)	-	4th Cent. B.C.
BARTHOLINUS (CASPARUS)	-	1677
BERBIGUIER (BÉNOÎT TRANQUILLE)	-	1820 (<i>circa</i>)
BERNOULLI (DANIEL)	-	1753A, 1753B, 1762
BIOT (JEAN BAPTISTE)	-	1816
BLASERNA (PROFESSOR PIETRO)	-	1875
BOEHMI (THEOBALD)	-	1847, 1868, 1878
BONANNI (FILIPPO)	-	1722
BROWN (JAMES D.)	-	1886
BUFFET <i>jeune</i>	-	1839
CALLCOTT (JOHN WALL) Mus. Doc., Oxon.	-	1817
CAMUS (PAUL HIPPOLYTE)	-	1849
CARLEZ (JULES)	-	1877
CARTE (RICHARD)	-	1845, 1850, 1851, 1866
CAUS (SALOMON DE)	-	1614, 1615
CAVAILLÉ-COLL (ARISTIDE)	-	1840, 1860
CHLADNI (DR. ERNST FLORENS FRIEDRICH)	-	1802, 1809
CHORON (ALEX. ETIENNE)	-	1810, 1811
CHOUQUET (GUSTAVE)	-	1884
CLINTON (JOHN)	1843, 1846, 1848, 1852 (<i>circa</i>), 1855, 1862, 1863	
CLOSE (WILLIAM)	-	1802
CÔCHE (VICTOR JEAN BAPTISTE)	-	1838A, 1838B
CORRETTE (MICHEL)	-	1710
CORTI (IL MARCHESE ALFONSO)	-	1851
CRAMER (CARL FRIEDRICH)	-	1783 etc.
D'ALEMBERT (JEAN LE ROND)	-	1751, 1756, 1767
DELEZENNE (CHARLES EDOUARD JOSEPH)	-	1857
DES CARTES (RÉNÉ)	-	1618
DEVIENNE (FRANÇOIS)	-	1795
DIDEROT (DENIS)	-	1751, 1756, 1767
DONKIN (WILLIAM FISHBURN)	-	1870
DRESSLER (RAPHAEL)	-	1828
DROUET (LOUIS FRANÇOIS PHILIPPE)	-	1827, 1830
DULON (FRIEDRICH LUDWIG)	-	1808
ELLIS (ALEXANDER J.), B.A., F.R.S., F.S.A., etc.	-	1875, 1877, 1880A, 1880B, 1885
ESTÈVE (PIERRE)	-	1750
EUCLID	-	4th Cent. B.C.
FAYOLLE (FRANÇOIS JOSEPH MARIE)	-	1810-11
FÉTIS (FRANÇOIS JOSEPH)	-	1860, 1865, 1869
FUERSTENAU (ANTON BERNHARD)	-	1828, 1834 (<i>post</i>)
GERBER (ERNST LUDWIG)	-	1790-2, 1812-14

GEROCK (C.) AND WOLF (ROBERT)	1832
GRENSEER (HEINRICH)	1800, 1811
GRENSEER (KARL)	1824
GUNN (JOHN)	1793
GROVE (SIR GEORGE), D.C.L.	1889
HANKINS (G.T.), M.R.C.S., L.S.A., etc.	1890
HAWKINS (SIR JOHN)	1776
HELMHOLTZ (HERMANN L. F.), M.D.	1857, 1863, 1875, 1885
HERSCHEL (SIR JOHN F.W.), Bart., K.H., M.A., D.C.L., F.R.S., etc.	1830
HOPKINS (WILLIAM), M.A.	1833
HOTTETERRE (LOUIS)	1699
HUGOT (A.), <i>Surnommé le Jeune</i>	1801
JAMES (W. N.)	1826, 1827, 1829
KIRCHEI (ATHANASIUS)	1650
KOCH (HEINRICH CHRISTOPH)	1865
KOENIG (DR. RUDOLPH)	1872, 1881A, 1881B
KOLLMANN (AUGUSTUS FREDERICK CHRISTOPHER)	1796
KUNDT (DR. AUGUST)	1866A, 1866B, 1868
LA BORDE (JEAN BENJAMIN)	1780
LA GRANGE (JOSEPH LOUIS COMTE DE)	1759, 1760, 1761
LA HIRE (PHILIPPE DE)	1694
LAMBERT (JEAN HENRI)	1763, 1775
LAURENT (CLAUDE)	1806, 1834
LAVOIX (H—) fils	1878
LICHTENTHAL (DR. PIETRO)	1826
LINDSAY (THOMAS)	1828
LORENZONI (DR. ANTONIO)	1779
LUSCINIUS [NACHTGALL] (OTTOMARUS)	1536
MAC GREGOR (MALCOLM)	1810
MAIRAN (JEAN JACQUES DORTOUS DE)	1737
MARPURG (FRIEDRICH WILHELM)	1754
MARSH (NARCISSUS), D.D.	1683
MELDE (DR. FRANZ)	1864
MENDEL (HERMANN)	1880
MERSENNE (MARIN)	1633, 1636-7
MILLER (GEORGE)	1810
MONZANI (TEBALDO)	1812
MUELLER (JOHANNES)	1840
NICHOLSON (CHARLES)	1836
NOLAN (REV. FREDERICK)	1808
OHM (DR. GEORG SIMON)	1843, 1844, 1853
PELLISOV. see SCHAFHAÜTL	1834, 1882
PERRAULT (CLAUDE)	1680
PLOT (DR. ROBERT)	1676
POLE (WILLIAM), Mus. Doc. Oxon., F.R.S.	1875, 1877
POTTER (RICHARD)	1785
POTTER (WILLIAM HENRY)	1808
POTGIESSER (DR. H. W.)	1803, 1824
POUGIN (ARTHUR)	1878, 1880
PRÆTORIUS [SCHULTZ] (MICHAELIS)	1620
QUANTZ (ALBERT)	1877
QUANTZ (JOHANN JOACHIM)	1752, 1754

RAGUENET (L'ABBÉ FRANÇOIS)	1709
RAMEAU (JEAN PHILIPPE)	1737, 1749
RAYLEIGH (LORD) <i>see</i> STRUTT	1877-8
REISSMANN (DR. AUGUST)	1880
RIBOCK (DR. JUSTUS JOHANN HEINRICH)	1782, 1783
RICCATI (IL CONTE GIORDANO)	1767
ROBERTS (THE HON. FRANCIS), R.S.S.	1692
ROCKSTRO (RICHARD SHEPHERD)	1863, 1884
ROSE (JOHN MITCHELL)	1832, 1847
ROUSSEAU (JEAN JACQUES)	1764
ROUSSIER (P. J.)	1780
RUDALL (GEORGE)	1832
SAUVEUR (JOSEPH)	1697, 1700, 1701, 1702, 1707, 1711, 1713
SAVART (FÉLIX)	1823, 1825, 1831
SCACCHUS (FR. FORTUNATUS)	1637
SCHAFFHAÜTL (DR. CARL VON)	1834, 1882
SCHEIBLER (JOHANN HEINRICH)	1834
SCHILLING (DR. GUSTAV)	1842A, 1842B
SCOTT (THOMAS)	1810
SEEBECK (ADOLF)	1843, 1844, 1870
SICCAMA (ABEL) B.A.	1845, 1846, 1847
SMITH (HERMANN)	1873, 1874A, 1874B, 1874C
SMITH (ROBERT) D.D., F.R.S.	1749, 1759
SPOHR (LOUIS)	1832
STRUTT (JOHN WILLIAM) [BARON RAYLEIGH]	
M.A., F.R.S.	1877, 1878
THOMPSON (LIEUT. GEN. T. PERRONET)	1859
TOWNLEY (CHARLES GOSTLING)	1808
TROMLITZ (JOHANN GEORGE)	1783, 1786, 1791, 1800
TULOU (JEAN LOUIS)	1835 (<i>circa</i>)
TYNDALL (JOHN), D.C.L., LL.D., F.R.S.	1867, 1883
VIRDUNG (SEBASTIAN)	1511
W'ALCKIERS (EUGÈNE)	1829 (<i>circa</i>)
WALLIS (JOHN) D.D.	1678, 1693
WALTHER (J. G.)	1732
WARD (CORNELIUS)	1842, 1843, 1844
WEBER (CARL MARIA VON)	1811
WEBER (GOTTFRIED)	1828
WEISS (CHARLES N.)	1824 (<i>circa</i>)
WHEATSTONE (SIR CHARLES), D.C.L., F.R.S.	1823, 1827, 1828, 1832A 1832B
WHISTLING (C. F.)	1828, 1844
WOLF (<i>See</i> GEROCK AND WOLF)	
WOOD (JAMES)	1814
WRAGG (J.)	1790 (<i>circa</i>), 1806
WUNDERLICH (JOHANN GEORG)	1801
YOUNG (THOMAS) M.D., F.R.S.	1800A, 1800B, 1807
ZAMMINER (FRIEDRICH)	1852, 1855A, 1855B
ZARLINO (GIOSEFFO)	1558, 1571, 1588