

black), representing a furnace. Further a double-page woodcut (b' verso and b' recto), numerous woodcuts showing distillation apparatus, large armorial woodcut (verso of title-page), a large Flemish woodcut, showing a doctor at his desk, at the end of the index, and fine printer's mark, in woodcut, at the end.

First Flemish Edition.

Unknown to Choulant. Graphische Incunabeln.

Nijhoff-Kronenberg 505 quotes four copies : Royal Library, Brussels ; Hague Royal Library (last leaf missing) ; British Museum (end after M⁵ defective) ; Nordkirchen, Westfalen.

This is a fifth copy of this extremely rare Flemish edition of Brunswig's famous book, a link in the tradition from the Strassburg editions to the English edition of 1527.

SEE ILLUSTRATION ON PLATE V.

The vertuose boke Of Distyllacyon of the waters of all maner of Herbes, with the figures of the stillatoryes, Fyrst made and compyled by the thyrte yeres studye and labour of the moste conynge and famous master of phisyke, Master Jherom bruynswyke. And now newly Translate out of Duyche into Englysshe. Nat only to the synguler helpe and profyfte of the Surgyens, Phisycyens, and Pothecaryes But also of all maner of people Parfytely and in dewe tyme and ordre to Terme to dystyll all maner of Herbes, To the profyfte, cure, & Remedy of all maner dyseases and Infirmytees Apparant and nat apparent. And ye shall understande that the waters be better than the Herbes, as Avicenna testefyeth in his fourth Canon saynge that all maner medicynes used with theyr substance, febleth and maketh aged, and weke. Cum gratia et privilegio regali (underneath four woodcuts of apparatus with text). (Colophon :) Imprynted at London in the flete strete by me Laurens Andrewe, in the sygne of the golden Crosse. In the yere of our Torde Mccccxxvii, the xviii daye of Apryll.

Small folio. 138 leaves (collates : ¶ 4, a-b⁶, c-d⁴, e-f, A-B⁴, C⁶, D⁴, E⁶, F⁴, G⁶, H⁴, I, K⁴, L⁶, M⁴, N⁶, O⁴, P⁶, Q⁴, R⁶, S-T⁴, V⁶, X⁴).

Black letter, double columns, printer's device at end, coat of arms on verso of title, nearly 200 smaller woodcuts.

First Edition in English and a very rare book. S.T.C. 13435 records five copies.

SEE ILLUSTRATION ON PLATE VI.

The vertuose book of the Distyllacyon of all maner of waters of the herbes in this present volume expressed, with the figures of the stillatoryes to that noble work belongynge. Fyrst made and compyled by the Thyrte yeres studye and Labour of the moste Famous and expert master of Phisyke, Master Jherom bruynswyke in hye Almayne. And nowe of late newly translated into Englysshe out of duche by me Laurence andrew to the synguler, profyfte, helth and cure, of myn euyn crysten in theyr diseases, And in especyall for them of thys noble Royalme of Englonde, my natyfe Contrey. Ye shall understande that the great master Avycenna testifyeth in his fourth Canon that the waters be farre better than the Herbes in theyr Operacyons. (London, P. Treveris ?, 1530 ?).

Small folio. 120 leaves (should be 138). Collation : a., a-b⁶, c-d⁴, e-f, A-13a, C₆, D₄, E_B, F₄, G₆, H₁₆, K₄, L₆, M₄, N₆, O₄, R₆, S₄, T₄, V₆, X₄. The following leaves are missing in this copy : a₆, E₁₆, P₁₆, R₁₆, V₁₆, -.

Numerous woodcuts of plants and distilling apparatus on the title, the first fine of which is printed

in red, a large woodcut of distilling apparatus, large woodcut on verso, printer's device on last leaf.

A book of the utmost rarity. Three different editions were published between 1527 and 1530. Of the earliest edition of 1527 five copies are recorded in the S.T.C., of an edition probably of 1528 one copy, and of the present edition only one copy, the present one, which was formerly in the library of E. F. Bosanquet (S.T.C. 13437).

The cut on the verso of the title showing Simon and Lazarus with Christ and others, is a Vêrad cut, which was used first in England by Pynson in the " Kalendar of Shepherds " of 1560.

According to a note by Mr. Bosanquet there was another copy of this edition in Quaritch's catalogues No. 369, April 1922, item 548.

A long letter from Mr. McKerrow relating to this copy is inserted.

Das Buch zu Distilieren die zusammen gethonen ding : Composita genant : durch die einzigen ding, un das buch Thesaurus Pauperum genant, für die armen yetz von neuem wider getruckt und von unzalbarn irrthumen gereynigt unnd gebessert, für alle vorausgangen truck, etwan von Hieronymo Brunsschwig auffgeklaut und geoffenbart zu trost und heyl den menschen, nützlich yr leben darauss zu erlernern und yre leib in gesundtheit zu behalten. (At end :) Strassburg, Bartholomeus Grüniger, uff Sant Adolffs tag In dem Jar so man zalt nach Christi geburt, 1532.

Folio. 288 leaves. Large woodcut on title, doublepage eut at f. 25, and about 125 woodcuts in text.

Choulant, p. 85.

Third edition of the " Grosses Distillierbuch." The woodcuts show distilling apparatus, various chemical operations, also bloodletting scenes, physicians with urine flasks, apothecary's shop, anatomical pictures, etc. One cut showing three men having a discussion appears to be newly added in this edition, the others are repeated from the preceding editions. Some are also used in the 1531 edition of Ulstadt's " Coelum Philosophorum."

The Book of Cirurgia by Hieronymus Brunswig. Strassburg, Johann Grüniger, 1497. With a study on Hieronymus Brunswig and his Work by Henry E. Sigerist. Milan, R. Lier & Co. 1923.

Folio. Facsimile reprint, followed by a 16 pp. treatise by Sigerist.

BRY (Johannes Theodor de).

Emblemata Secularia, Mira et Jucunda Varietate Seculi huius mores ita experimentia, ut Sodalitatum Symbolis Insignisque conscribendis & depingendis peraccommoda sint. Versibus Latinis, Rythmisque Germanicis, Gallicis, Belgicis : speciali item Declamatione de literarum studiis exornata. Weltliche lustige neue Kunststück der jetzigen Weltlauff fürbildende mit artlichen Lateinischen, Teutschen Frantzösischen und Niderländischen Carminibus und Reimen geziert, fast dienstlich zu einem zierlichen Stamm und Wappenbüchlein. Oppenheimii, Typis Hieronymi Galleri. 1611.

4to. 56 pp. 97 engravings, engraved title and 2 engravings in text.

A beautifully illustrated work ; it contains an engraving relating to alchemy, as well as other pictures of interest to the historian of science, such as spectacles, the urine doctor, etc. Many of the plates show a strong affinity to the works of Breughel.

There are two series of plates, the first of 71 emblematical plates, of which plate 44 is missing in this copy. This is followed by a series of 26 plates of armorial designs, some with figures, all the shields being blank. There should be 28 of these, two are missing in this copy.

No copy of this edition in the B.M. which possesses only a copy of the re-issue, with Fitzer's imprint, of 1627.

BUCCI (Antonio).

Saggio sopra il Flogisto le Differenti Specie d'Aria e il Calore. Faenza, G. Archi. 1783.

8vo. 84 pp.

A defence of the phlogiston theory, which contains references to Priestley.

Another edition is quoted by Bolton (I, 343).

BUCHAN (A. P.).

Observations Pratiques sur les Bains d'Eau de Mer et sur les Bains Chauds . . . Ouvrage traduit de l'Anglais par M. Rouxel, Docteur en Médecine de la Faculté de Médecine de Montpellier . . . Paris, Chez Gabon . . . 1812.

8vo. 189 pp.

The translation was made by Dr. Rouxel who in his preface criticises the author's lack of experimental work on which to base his conclusions. Chapter VI contains some analytical data, references to Black and Bryan Higgins, etc.

BUCHHOZ (Joseph).

Recueil de Secrets Sûrs et Expérimentés à l'usage des artistes. Seconde édition, considérablement augmentée. A Paris, Chez l'auteur, rue de la Harpe, la première porte cochère après le Collège d'Harcourt. 1783.

12mo, 2 vols. 371, 357 pp.

BUDÉ (Guillaume).

Libri V de Asse, & partib. ejus post duas Parisienses impressiones ab eodem ipso Budaeo castigati, idque authore Io. Grolierio Lugdunensi Christianissimi Gallorum Regis Secretario, et Gallicarum copiarum Quaestore, cui etiam ob nostram in eum observantiam a nobis illi dicantur. Venice, Aldus. 1522.

8vo. 274 leaves (badly numbered). With the Aldine anchor on title-page and at the end.

One of the best editions of Budaeus' most celebrated work, dedicated to Grolier, who possessed a copy of it printed on vellum. It was preceded by two folio editions, published in 1514 and 1516. The book contains the first modern investigations of the weights, measures and coins of antiquity, and is therefore not only of interest for our knowledge of ancient money standards, but also for that of recipes, prescriptions and chemical formulae as used by ancient and Renaissance scientists.

Summaire ou Epitome du livre de Asse fait par le commandement du Roy par maistre Guillaume Budé conseiller dudict seigneur et maistre des requestes ordinaires de son hostel et par luy présenté audict seigneur. (At end :) Imprimé à Paris le sixiesme jour de Juing 1527.

8vo. 73 leaves. Gothic characters.

The earliest edition in French recorded by Brunet is dated 1522. This is the second edition in French (see Catalogue of the Bibliothèque Nationale).

BULSTRODE (Whitelocke).

An Essay of Transmigration, in Defence of Pythagoras : or, A Discourse of Natural Philosophy. London, E.H. for Tho. Basset, at the George in Fleet-Street. 1692.

8vo. 28 leaves (including half-title and licence leaf) + 192 pp. Portrait.

The second part of the book is devoted to chemistry.

BUNSEN (Robert).

Gasometrische Methoden. Zweite umgearbeitete und vermehrte Auflage. Braunschweig, Friedrich Vieweg und Sohn. 1877.

8vo. 11 + 387 pp.

Flammenreactionen. Heidelberg, Verlag von Gustav Köster. 1880.

8vo. 32 pp. With one table and one plate.

This copy was used by Professor Arthur Smithells at Heidelberg in 1883.

BURE (Guillaume François de), le Jeune.

Bibliographie Instructive ou Traité de la Connoissance des Livres Rares et Singuliers. Contenant un Catalogue raisonné de la plus grande partie de ces livres précieux, qui ont paru successivement dans la République des Lettres depuis l'invention de l'imprimerie, jusqu'à nos jours, avec des notes sur la différence et la rareté de leurs éditions et des remarques sur l'origine de cette rareté actuelle et son degré plus ou moins considérable, la manière de distinguer les éditions originales d'avec les contrefaites avec une description typographique particulière du composé de ces rares volumes, etc., etc. A Paris, Chez Guillaume François de Bure, le Jeune. 1763-1768.

8vo. Seven volumes.

BURGGRAV (Johann Ernst).

Achilles *πανοπλια* Redivivus, Seu Panoplia Physico-Vulcania in praelio *φιλοπλοσ* in Hostem educitur Sacer et inviolabilis Cui praemissa est Marcelli Vranckheim I.V.D. *επιχριστις στοχος τικη* ad Achillem *πανυπεροπλομαχον*. Amsterodami apud Hendricum Laurentium, s. a. (1612).

8vo. Pp. 130, (3, 3 blank). With a very fine engraved title and the engraved arms of the Counts of Lippe to whom the book is dedicated.

First Edition.

Ferguson I, 131 (no copy in Young collection).
Kopp, Alchemie, II, 369.

Pages 9 to 40 contain the tract by Vranckheim which finishes by 2 poems in Latin. Pages 47 to 130 contain the tract by Burggrav.

Lampadem Vitae & Mortis Omniumque graviorum in Microcosmo *παθων* Indicem ; hoc est : Biolychnium sive Lucernam ; Cum vita ejus, cui accensa est Mysticè, viventem jugiter ; cum morte ejusdem expirantem ; omnesque affectus graviore prodentem. Antehac quidem cura & studio J.E.B. Obscurè nimis (more Philosophico) Traditam : Nunc, dilucidiori stylo, se Expositurum intimat G.F. MDCS. Lugd. Batav. Apud Arnoudum Doude. 1678.

12mo. Pp. 72 (including engraved title, dated 1679). With 2 curious plates.

This edition is not quoted by Ferguson (I, 131).

Caillet 1808.

This is apparently the last edition of a curious booklet the first edition of which appeared in 1610 or 1611. It gives an account of a lamp fed with a liquid made from human blood, which burns as long as the person lives from whom the blood is taken, and goes out at his death.

BURMANN (Charles).

The Lives of those Eminent Antiquaries Elias Ashmole, Esquire, and Mr. William Lilly, written by themselves, containing, first, William Lilly's History of his Life and Times, with Notes, by Mr. Ashmole : Secondly, Lilly's Life and Death of Charles the First : And Lastly, the Life of Elias Ashmole, Esquire. By Way of Diary. With several occasional Letters, By Charles Burman, Esquire. London, Printed for T. Davies, in Russell-Street, Covent Garden. 1774.

8vo. Pp. 7, (1 blank), 399, (1). With portraits of Lilly and Ashmole, J. Lodge sculp., as frontispiece

First Edition.

Ferguson **I**, 132.

The " Advertisement to the Reader " is signed **T.D.**

BURNET (Duncan).

Duncani Bornetti Scoti Iatrochymicus, sive De Praeparatione Et Compositione Medicamentorum Chymicorum Artificiosa, Tractatus. In quo methodice, perspicue, ac breuiter quicquid ad Iatrochymica pertinet, Candidatis Medicinae ac Philosophiae interioris aperitur. Editio altera. Nunc secunda cura accuratiore reuisa, repurgata, variegatis characteribus ornata, & Indice adaucta, Studio ac Opera Ioannis Danielis Mylii, Wetterano-Rassi, Medicinae Hippocraticae & Chymicae Candidati. Francofurti ad Moenum, Typis Erasmi Kempfferi, Sumptibus Lucae Jennis. Anno 1621.

Sm. 4to. 4 11., 111 pp.

Second edition.

Ferguson **I**, 133 but not in the Young collection.

The first edition was published in 1616. The text is preceded by a Latin poem by Raphael Eglin, q.v.

BÜTTNER (Johann).

Catalogus Medicamentorum, tam Simplicium quam Compositorum, ut et Chymicorum Officinae Pharmaceuticae Buttnerianae in Republic. Gorlicensi. Cum eorundem Taxatione et Legibus. 1629. (At end :) Gorlicii Lusatorum, ex Officina Johannis Rhameae. Anno 1629.

4to. 80 leaves. The first two leaves are engraved with well-executed pictures of furnaces, apparatus, etc.

A very interesting " Apothekerordnung ", published by the local apothecary at Görlitz, in Silesia. It gives a list of the herbs and pharmaceutical preparations for sale in his shop in Latin and German and with their prices. At the end are regulations governing the conduct of assistants and apprentices. This book is dealt with at some length in Schelenz, Geschichte der Pharmazie, pp. 505 and 527.