

Sales catalogue: Sotheby's

Publication/Creation

July 1936

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SOTHEBY & CO.

34 & 35 NEW BOND STREET, LONDON, W.(1)

CATALOGUE

OF

THE NEWTON PAPERS

SOLD BY ORDER OF

The Viscount Lymington

TO WHOM THEY HAVE DESCENDED FROM

CATHERINE CONDUITT, VISCOUNTESS LYMINGTON,

GREAT-NIECE OF SIR ISAAC NEWTON.

Days of Sale.

FIRST DAY..... Monday, July 13thLot 1 to 174

SECOND DAY Tuesday, July 14thLot 175 to 331

1936.

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CONDITIONS OF SALE

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COMMISSIONS SENT BY TELEPHONE ARE ACCEPTED AT THE SENDER'S RISK, AND MUST BE CONFIRMED BY LETTER OR TELEGRAM.

FOREWORD.

Almost the first thing Newton bought when he went up to Cambridge at the age of 18 (see Lot 209) was a "quarte bottle and ink to fill it." At the end of the present catalogue we have a portrait of him, in extreme old age—but still with paper before him and pen in hand. The tireless industry of the intervening years is displayed in the vast collection of unpublished autograph manuscripts (containing at a conservative estimate some three million words) now briefly described in the following pages.

On Newton's death, his MSS. passed, by an arrangement detailed in Lot 198, into the keeping of John Conduitt who had married Catherine Barton, Newton's niece. From him they descended to his daughter, the first Viscountess Lymington, mother of the second Earl of Portsmouth, and the collection remained intact in the Portsmouth family until 1872, when the Earl presented a portion of the strictly scientific papers to the University of Cambridge. He retained, however, all those dealing with Alchemy, Chronology and Theology, all those connected with Newton's thirty years at the Mint, and everything of personal interest. It is this portion in its entirety which is now offered for sale, and except for a few strayed items, mostly of minor interest, it includes all the Newton Papers which can ever come into the market.

Newton is commonly thought of simply as a mathematical physicist. Actually his pre-eminence as such was but one of the manifestations of his universal genius. His greatest discoveries in this particular field (the Calculus, the Law of Gravitation, and the Composition of Light) were all made before he was twenty-four. In later years mathematics became tedious to him and he avoided them as much as his reputation would allow. Alchemy and Theology were his two abiding interests.

The MSS. on Alchemy, forming the first section of the catalogue, contain over 650,000 words in his hand. They show him to have assimilated the whole corpus of Alchemical Literature and to have been the most learned adept of all time. He was also a very skilful experimenter and a great part of his thirty-five years at Cambridge was spent among retorts and furnaces in the laboratory

he had built for himself. From the letter of his assistant at some of these experiments (Lot 219) we learn that for many weeks in the year the furnace burnt continuously, he and Newton sitting up alternate nights to attend to it. "His pains and diligence made me think he aimed at something beyond the reach of human art and industry." And so he did, for he had set himself to discover the Elixir of Life, and how to transmute base metals into gold.

He was more than usually secretive about these romantic pursuits. Although so much of his life was spent in the company of Diana's Doves, chasing the Red and Green Lyons through the Twelve Gates, or elevating Mercury with the full complement of Ten Eagles, he published only one chemical paper ("*De natura acidorum*") and this gave no inkling of the ultimate and magnificent object of his researches. After his appointment to the Mint, of course, any open association of his name with Alchemy would have been most indiscreet. The rumour that the Master of the Mint could transmute copper farthings into bright golden guineas would have spread panic through the nations. But that he retained at least a poacher-turned-gamekeeper's interest in the subject is evident by the occurrence of alchemical notes among the drafts of his letters on quite other matters to the Lord High Treasurer. For was it not always possible that some other adept, more fortunate than himself, would hit upon the knack, and shatter the Gold Standard, over which he now stood sentinel?

The Alchemy that Newton practised had more than its vocabulary in common with Mysticism, and no doubt it was by way of Alchemy that Newton entered upon the Interpretation of the Prophecies which forms so large a part of his Theological writings. These amount to more than one-and-a-quarter million words and are mostly unpublished. It is difficult at the present day to assess them at their true value, and perhaps it is enough to say that Newton himself regarded them as the most important of his works. His others he considered of value only in so far as they contributed to the knowledge of the Creator of the Universe. He believed the pursuit of this knowledge to be the noblest use of the human intellect and its attainment the supreme reward. During his life there were rumours that his Religious opinions were unorthodox. His MSS. show most definitely that they were, and for this reason they were deliberately suppressed by the several orthodox divines who had the overlooking of them. The plain fact is that Newton did not believe in the Doctrine of the Trinity as formulated by Athanasius, and in his time this was a serious matter. Arian and Socinians were barred from all

positions of trust, and men were being sent to prison for holding opinions shared secretly by Sir Isaac Newton, Master of Her Majesty's Mint, and the most honoured man in the kingdom. There is thus a strange parallel between his Alchemical and Religious opinions, both so difficult to reconcile with his official position.

Closely connected with the Theological MSS. are those on Chronology, amounting to nearly a quarter of a million words. They include some extremely interesting papers on Calendar Reform, and a series relating to the posthumous publication of the "Chronology" which occasioned the wonderful letter from Pope included in the lot (224A).

Among the other letters is a magnificent series from Halley recounting in detail the history of the publication of the "Principia," for which he alone was responsible. And we have Boyle writing to tell Newton of the appearance of a comet, Locke sending him a recipe for making gold, and Pepys, ever audacious, beseeching Newton to put his mathematics to some really practical use by computing for him the chances of throwing sixes at dice. Besides these and many other letters of equal interest, there are drafts of Newton's own letters on the most varied topics.

Another section contains papers relating to the invention of the Infinitesimal Calculus and the extraordinary controversy that raged around it. Many of these are in Newton's hand and are highly important. Among them is the draft of his own reply to Leibnitz's claim to the invention.

The Mint Papers, containing several hundred thousand words in Newton's hand, form a section by themselves. They deal not only with the actual manufacture of the coinage, but also with the wider questions of Trade and Credit, and include several treatises of considerable length which suggest that Newton was as great an authority on Finance and Economics as he was on Alchemy and Theology. There is much here that should be published. The section contains also a large collection of papers dealing with the early history of the Mint, and, incidentally, a complete documentation of the great Recoinage of 1696/9.

In addition to all these we have the sections containing the Personal Papers and those gathered by Conduitt for his unwritten biography. These are the source of all our knowledge of Newton's private life and character. In them we can follow him from the day of his birth "when he was so little they could put him into a quart pot," to the day of his burial in Westminster Abbey.

And to complete this incomparable collection we have the celebrated portrait painted by Kneller when Newton was in his prime, another, already mentioned, when his life was drawing to its honoured close, and finally, the death mask.

The claim by Pope (in a letter forming part of the present catalogue) that "Sir Isaac carryd arts & sciences farther in a few years than all others had in whole ages," was but one of many such tributes from Newton's contemporaries. That "in no other mind have the demonstrative faculty and the inductive faculty co-existed in such supreme excellence and perfect harmony" was the view of Macaulay a century later. In the unfettered speculative field of modern science no less homage is paid to his methods and to his achievements. The papers now offered, running to millions of words, largely unpublished, in his own hand and to thousands by his famous friends and correspondents; covering the widest field of science, economics, mysticism and religion; and throwing a brilliant and in many respects a novel light on the intimate workings of his mind; form a collection to whose importance the sale room can show few parallels.

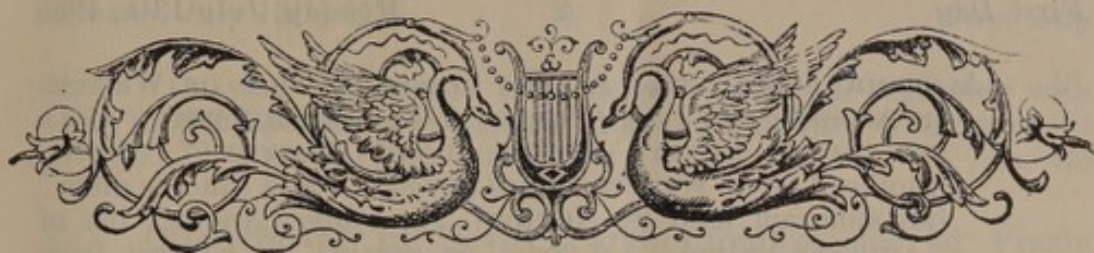
SOTHEBY & CO.

June, 1936.

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FIRST DAY'S SALE.
Monday, July 13th, 1936

SECTION I.
MANUSCRIPTS ON ALCHEMY.
ALMOST ALL IN THE HANDWRITING OF
SIR ISAAC NEWTON.

Lot 1.



ALCHEMICAL PROPOSITIONS [in Latin] *about 400 words, 3 pp.* ;
MISCELLANEOUS NOTES on Multiplication by Solution and
Coagulation, etc. [in Latin], *about 2000 words, 7 pp.* ALL
AUTOGRAPH *sm. 4to*

- 2 ALCHEMICAL WRITERS. A LONG CLASSIFIED LIST OF WRITERS ON ALCHEMY, *on 3 pp. folio*; *on p. 4*: "AN ACCOUNT OF GOLD AND SILVER MONEYS COYNED SINCE CHRISTMAS" (*draft*); Another List of Writers, *signed at foot* "Jeova sanctus unus" [an anagram used by Newton] *2 pp. folio*; Another list of "Authores optimi," *1 p. folio, on reverse*, an Extract from "An Act for encouraging Coynage," ALL AUTOGRAPH *folio*
- 3 ALCHEMICAL WRITERS. A LIST OF 113 WRITERS ON ALCHEMY, arranged under nationalities, *2 pp.*; List of Books, with shelf marks (perhaps in Trinity Library), *2 pp.* BOTH AUTOGRAPH *sm. 4to*
- 4 ALCHEMICAL WRITERS. "OF CHEMICAL AUTHORS AND THEIR WRITINGS," [an Alphabetical List of about 120 writers on Alchemy, with comments on the works of the more important] *on 7 pp.* AUTOGRAPH *sm. 4to*
- ** Of great interest as showing Newton's wide acquaintance with the literature of Alchemy.
- 5 ALCHEMICAL WRITERS. LIST OF AUTHORS AND BOOKS ON ALCHEMY, including a list of 27 items headed: "Desiderantur opera Lullii sequentia," *on 8 pp. 4to and folio, enclosed in a folded sheet containing geometrical diagrams*, AUTOGRAPH
- 6 ALCHEMICAL WRITERS. "DE SCRIPTORIBUS CHEMICIS" [a Bibliography containing titles and particulars of over 80 Printed Books, and several MSS.] *5 pp.* AUTOGRAPH *sm. 4to*
- 7 ARTEPHIUS HIS SECRET BOOK, [in English] *about 9000 words, 20 pp.*, followed by "The Epistle of John Pontanus, wherein he beareth witness of y^e book of Artephius," *2½ pp.* BOTH AUTOGRAPH *sm. 4to*
- 8 BLOOMFIELD. "OUT OF BLOOMFIELD'S BLOSSOMS," *in verse, beginning*: "Father Time set me at y^e gate," *212 lines*, followed by "A SHORT WORK THAT BEARETH THE NAME OF S^R GEORGE RIDLEY," *beginning*: "Take heavy, soft, cold, and dry" *in verse, 92 lines*, and "Fragments," *19 lines, 8 pp.* ALL AUTOGRAPH *sm. 4to*
- 9 "CAUSÆ ET INITIA NATURALIUM" [Notes on an un-named book] *about 3000 words, 7 pp.* AUTOGRAPH *sm. 4to*
- 10 CLAVIS AURÆ PORTÆ [Notes and Abstracts]; Notes on "Medulla Alchemiæ"; "Pupilla Alchemiæ," etc. *about 4000 words, 8 pp.* AUTOGRAPH *sm. 4to*

- 11 "CLAVIS" [Directions for a lengthy operation beginning with the digestion of Antimony, Iron and Sulphur] in Latin, *about 1200 words, 3 pp.* AUTOGRAPH *sm. 4to*
- 12 COLLECTIONES EX NOVO LUMINE CHYMICO quæ ad Praxin spectant [and] Collectionum Explicationes, *written in parallel columns, over 3000 words, 8 pp.* AUTOGRAPH *sm. 4to*
- 13 COPPER. "THE HUNTING OF Y^E GREEN LYON," *in verse* [English] *about 180 lines*; THE STANDING OF Y^E GLASS FOR Y^E TIME OF PUTREFACTION & CONGELATION OF Y^E MEDECINE, *in verse* [English], *14 lines, 6 pp.*; NOTES UPON Y^E HUNTING OF Y^E GREEN LYON [in Latin], *about 500 words, 2 pp.* ALL AUTOGRAPH *sm. 4to*
- 14 COPPER. "THE HUNTING OF Y^E GREEN LYON," [in English], *about 800 words, 2 pp.*; Miscellaneous Notes [in Latin] *about 400 words, 1 p.* BOTH AUTOGRAPH *folio*
- 15 DICKENSON (EDMUND) EX EPIST. EDMUNDI DICKENSON AND THEODORUM MUNDANUM. Dat Londini prid. Cal. Aug. 1683 edit 1686, *about 2500 words, 8 pp.* AUTOGRAPH *sm. 4to*
- 16 DICTIONARY OF TERMS, MATERIALS & APPARATUS USED IN ALCHEMY, with Directions for performing various Operations, etc., *about 7000 words, 16 pp.* AUTOGRAPH *sm. 4to*
- 17 [DIDIER'S "SIX KEYS": A COMMENTARY, *mostly in English*] *about 8500 words, 35 pp.* AUTOGRAPH *sm. 4to*
- 18 EARTHS. NOTES ON "TERRA LEMNIA & TERRA SIGILLATA . . . sold in but one shop in London . . . for 2s. 6d. per pound," and its distillation products, *about 230 words, with note at foot*: "Mr. Leibnitz is Counsellor to y^e Elector of Brunswick. Mr. Fatio has no correspondence with him. This direction will find him out. Cl. viro D. G. G. Leibnitio Hannoveræ," *1 p. 8vo*; "DE PESTE" [notes from Van Helmont] *about 650 words, 2 pp. sm. 4to*; Notes on "Roth Mallor's work," *about 250 words, 1 p. folio*, ALL AUTOGRAPH
- 19 EDWARDUS GENEROSUS. "THE EPITOME OF THE TREASURE OF HEALTH written by Edwardus Generosus Anglicus innominatus who lived Anno Domini 1562" [a Treatise on the Philosopher's Stone; the Animal or Angelical Stone; the Perspective Stone, or the Magical Stone of Moses, etc. with and Alchemic Poem at the end, all in English] *about 14,000 words, 28 pp.* AUTOGRAPH *sm. 4to*

- 20 EPISTOLA AD VEROS HERMETIS DISCIPULOS CONTINENS CLAVES SEU PRINCIPALES PHILOSOPHIÆ SECRETÆ, *about 4750 words, 19 pp.* AUTOGRAPH *sm. 4to*
- 21 EPISTOLA. "Anno 1656. Serenissimi Principis Frederici Ducis Holsatiæ et Sleswici, etc. communicatione sequens epistola me sibi vendicat, inaudila memorans. Veni et vide," *about 1300 words, 7 pp.* AUTOGRAPH *sm. 4to*
- 22 FABER. EXTRACTS FROM THE WORKS OF FABER & OTHER ALCHEMICAL WRITERS [in Latin and English] *about 7000 words, 2 pp. 4to and 20 pp. folio,* AUTOGRAPH
- 23 "FABRI HYDROGRAPHO SPAGYRICO" [NOTES AND ABSTRACTS], *about 1500 words, 4 pp.* AUTOGRAPH *folio*
- 24 FERMENTATION. Notes on Fermentation, etc. [in Latin] *about 800 words, 3 pp. the first page containing the beginning of the draft of a letter; Miscellaneous Notes [in Latin] about 1200 words, 4 pp.; MISCELLANEOUS NOTES, headed "Opus primum . . . quintum," about 1200 words, the first page containing the beginning of the draft of a letter to "Mr. Proctor, an Attorney," about succeeding his father in the management of Newton's "concerns,"* ALL AUTOGRAPH *sm. 4to*
- 25 FLAMMEL (N.) THE BOOK OF NICHOLAS FLAMMEL containing the explication of the Hieroglyphical Figures w^{ch} he caused to be put in the Church of the SS. Innocents at Paris, *about 15,000 words, 61 pp.* AUTOGRAPH TRANSCRIPT *sm. 4to*
- 26 FLAMMEL (N.) NOTES OUT OF FLAMMEL [concerning "The first Angel painted in Abraham y^e Jew's Hieroglyphics"]; Notes "ex libro de Metallorum Metamorphosi"; "ex Epistola Com. Trevisani ad Thom. Bonon."; etc. *about 3000 words, 7 pp.* AUTOGRAPH *sm. 4to*
- 27 FURNACES. [NOTES ON THE MAKING OF PORTABLE FURNACES] *about 300 words on 2 pp. sm. 4to, with rough sketches, on 1 p. folio,* AUTOGRAPH
[See ILLUSTRATION.]
- 28 GOLD. "EXPERIM^{TS}. OF REFINING GOLD WTH. ANTIMONY MADE BY DR. JONATHAN GODDARD," *about 1500 words, 4 pp.; Draft of a Note asking for "of Antimony about sixty pounds . . . of Copper oare 12 or 16 pounds," and other metallic ores, about 200 words, 1 p.; Notes on the amalgamation of Tin & Mercury; Preparation of Stannic Chloride, etc., about 700 words, 3 pp.* ALL AUTOGRAPH; and 2 other MS. Pieces (*not autograph*)

- 29 "HERCULA PIOCHYMICO [by Faber. NOTES & ABSTRACTS] *about*
1300 words, 4 pp. AUTOGRAPH *folio*
- 30 [HERMES TRISMEGISTUS] "THE SEVEN CHAPTERS" [A TREATISE
ON TRANSMUTATION] *about* 4750 words, 19 pp. AUTOGRAPH,
WITH MANY ALTERATIONS AND RE-WRITINGS *sm. 4to*
- ** At the end is the Autograph Draft of a Letter (unsigned)
regarding the use of the circle in constructing equations
with 3 real roots. (9 lines).
- 31 HERMES TRISMEGISTUS. Tabula Smaragdina [et Commen-
tarium] and a Translation into English of the Tabula, 3½ pp.
AUTOGRAPH *sm. 4to*
- 32 HERMES TRISMEGISTUS. NOTES ON HERMES TRISMEGISTUS
[partly in English]; Notes on Flammel and other authors,
about 5000 words, 9 pp. AUTOGRAPH *sm. 4to*
- 33 INDEX CHEMICUS [AN ELABORATE SUBJECT-INDEX TO THE
LITERATURE OF ALCHEMY, giving page references to a very
great number of different works] *over* 20,000 words, 113 pp.;
Three other similar Indexes, *over* 5000 words, 49 pp. ALL AUTO-
GRAPH *sm. 4to*
- 34 INDEX CHEMICUS ["Ablutio" to "Aqua Fœtida" only] *about*
2000 words, 5 pp. AUTOGRAPH *folio*
- 35 [JODOCHUS A RHE] "LE PROCEDE UNIVERSELLE POUR FAIRE LA
PIERRE PHILOSOPHIALE laquelle l'auteur dit d'avoir faict quatre
fois" [in French] *about* 1500 words, 6 pp. AUTOGRAPH
sm. 4to
- ARTEPHIUS. "DE ARTE OCCULTA ET LAP. PHILOS. LIBER
SECRETUS," *about* 3500 words, 8 pp. AUTOGRAPH *sm. 4to*
- FLAMMEL (N.) "THE HIEROGLYPHICALL FIGURES OF NICHOLAS
FLAMMEL EXPLAINED," anno 1399, *about* 3000 words, with
elaborate pen-and-ink drawing of the figures, 7 pp. AUTOGRAPH
sm. 4to
- NOVUM LUMEN CHYMICUM [Notes and Abstracts] *about* 4000
words, 8 pp. AUTOGRAPH *sm. 4to*
- SPAGNETUS. "ENCHIRIDION PHYSICÆ JOH. SPAGNETI," *about*
3,500 words, 8 pp. AUTOGRAPH *sm. 4to*
- NORTON'S ORDINALL [Notes and Abstracts]; Notes on RIPLEY'S
TWELVE GATES, *about* 4,000 words, 8 pp. AUTOGRAPH *sm. 4to*

Lot 35 continued.

"EX AUGURELLI CHRYSOPCEIA [Notes and Abstracts] 2 pp. followed by Notes on "THE MARROW OF ALCHYMY" [in English] 6 pp., in all about 3000 words, AUTOGRAPH sm. 4to

NOTES ON RIPLEY'S THIRD TRACT; ON TABULA SMARAGDINA; ON THE TINCTURE, etc., about 1800 words, 5 pp. AUTOGRAPH sm. 4to

"OBSERVANDA" [Notes and Abstracts relating to "INSTRUCTIO DE ARBORI SOLARI"; "LUCERNA SALIS PHILOSOPHORUM," etc.; *Newton has crossed out one paragraph and written in the margin: "Credo hic nihil adeptus"*] about 4500 words, 12 pp. AUTOGRAPH sm. 4to

SNYDER (JOHN DE MONTE)—"COMMENTATIO DE PHARMACO CATHOLICO . . . donata per Authorem Chymicæ Vannus" [Notes and Abstracts] about 5,000 words, 13 pp. AUTOGRAPH sm. 4to

VALENTINE (B.) "B. VALENTINE'S PROCESS DESCRIBED IN HIS 12 KEYS AND OTHER WRITINGS," A FINE SET OF NOTES [in English] about 5000 words, 13 pp.; Miscellaneous Notes [in Latin], 8 pp. ALL AUTOGRAPH sm. 4to

** These 11 items enclosed in a wrapper bearing a list of contents in Newton's hand.

36 LEAD. NOTES ON SATURN [LEAD], the mining, preparation, and properties of the metal, etc. [mostly in English, with verse extracts from "Bloomfeild's Blossoms," etc.] about 3,500 words, 8 pp. AUTOGRAPH sm. 4to

37 LIBER MERCURIORUM CORPORUM [in English] with table of Alchemical Symbols, about 3000 words, 8 pp. AUTOGRAPH sm. 4to

38 LUCATELLO'S BALSAM: "To make Lucatello's Balsome" [a Recipe] 1 p. sm. 4to, AUTOGRAPH

** Nicholas Wickens, in his letter to Conduitt about Newton in his early Cambridge days (Lot 221) says:

"He sometimes suspected himself to be inclining to a consumption, and the medicine he made use of was the Leucatello's Balsam, which, when he had composed himself, he would now and then melt in quantity about a quarter of a pint, and so drink it . . ."

According to Newton, this nauseous mixture is a remedy for "Measell Plague or Small Pox . . . y^e biting of a mad dog," and various other misfortunes.

To make Lucatrillos Balsome

Venus Turpentine th put ~~it~~ into it a pint
of y^e best Damask rose water beat y^m logs
= ther till it looks white yⁿ take 4 ounces of
Bees wax sliced red sanders halfe an ounce
oyle Olive of y^e best ^{an ounce of oyle of 5th John wort} a pint, & $\frac{1}{2}$ a pint of
Sack. Set it ^(y^e sack) on y^e fire in a new Pipkin
ad to it y^e oyle & wax. Let it stand on a
soft fire where it must not boyle but m^{lt}
till it be scolding hot. yⁿ take it off. when
it is cold take out y^e cake. & scrape of y^e
dirt from y^e bottom & take out y^e Sack
wipe y^e Pipkin put in y^e cake againe, set
it on y^e fire let them melt together yⁿ put
in also y^e Turpentine & sanders let y^m
not boyle but be well melted & mixed toge
ther take it of & stir it now & yⁿ till
it be cold. If you would rather it be take
inwardly add to it when it is of from y^e
fire $\frac{1}{2}$ an ounce of Powder of Scutchinall
& a little naturall Balsoms.

For y^e mresell Plague or Small Pox a
 $\frac{1}{4}$ of an ounce in a little broth takes it warme
& sweats after it, & against poysson & y^e biting
of a mad Dog. for y^e last you must dip l^{et}
& lay upon y^e wound besides taking it inward
= ly. There are other vertues of it. For wind
Colick cleare y^e stomach. For greene wounds, sore breasts, new scalls or
Cancers anoynt y^e place grievd. & so for bruises.

- 39 LULLY (R.) EX CODICILLO R. LULLII, impress. Coloniae 1563
[Notes and Abstracts] *about 3000 words, 6 pp.* AUTOGRAPH
sm. 4to
- 40 LUMINA DE TENEBRIS. "OUT OF LA LUMIERE SORTANT DES
TENEBRES" [Abstracts, in English], *about 1700 words, 4 pp.*
AUTOGRAPH *folio*
- 41 LUMINA DE TENEBRIS [NOTES AND ABSTRACTS, in English]
about 2500 words, 5 pp. AUTOGRAPH *folio*
- 42 MAIER (M.) EMBLEMATA Michaelis Maieri Comitis Germani
[Notes and Abstracts]; Notes on the "SPECULUM ALCHYMIE"
OF ARNOLDUS, etc., *about 5000 words, 8 pp.* AUTOGRAPH
sm. 4to
- 43 MAIER (M.) SYMBOLA AUREA MENSÆ DUODECIM NATIONUM, Authore
Michaeli Majero. Dat. Francofurti mense Decemb. 1616 Edit
Francofurti 1617. Anno ætatis Majeri 49, 24 pp.; ATALANTA
FUGIENS, HOC EST EMBLEMATA NOVA, etc. Dat Francofurti
mens. Aug. 1617. Edit 1618, 24 pp.; VIATORIUM, HOC EST DE
MONTIBUS PLANETARUM SEPTEM, Datum Francofurti ad Moen.
1618. mense Septembri. Edit Rothomagi 1651, 16 pp.;
SEPTIMANA PHILISOPHICA [Days 1—6 only] Dat. Magdeburgi
Anno 1620, Jan. 11, styl. vet., 24 pp., *totalling about 50,000
words on 88 pp.* AUTOGRAPH TRANSCRIPTS *sm. 4to*
- 44 "MANNA" [A TRACT ON ALCHEMY] not in Newton's hand, but
containing at the end AUTOGRAPH ADDITIONS AND NOTES of
about 1500 words, 11 pp. *folio*
- 45 MEMORANDUM MADE BY NEWTON, begins:
"On Munday March 2d or Tuesday March 3 1695/6, A Londoner
acquainted with Mr. Boyle and Dr. Dickinson making me a visit,
affirmed that the work of Jodochus a Rhe wth [vitriol] twas not
necessary that the [vitriol] should be purified but the oyle or spirit
might be taken as sold in shops."
followed by an interesting account of an alchemical operation,
about 700 words, 3 pp. AUTOGRAPH *sm. 4to*
- 46 MEMORANDUM MADE BY NEWTON: another version, with
differences, of lot 45, 1 p. *folio*; on reverse, THE DRAFT OF
A SHORT LETTER:
". . . . Last Autumn when I was in London Mr. Pepys asking me
about the possibilities of finding ye Longitude at Sea and desiring
my leave that he might say that I thought it possible, I desired him
not to mention me about it least it might be a means to engage me
in it and reflect upon me if I did not compass it."
AUTOGRAPH *folio*

- 47 MERCURY. "DE VIRGA [MERCURI] " NOTES *on 1p.*, with Five Queries: "What Lute for distilling O. Vitr."; "Whether ye Spt. in y^e first digestion stink, & how soon, & with what odor"; "How he contrives his Lamp," etc.; other Notes, fragmentary, *on 11 pp.* ALL AUTOGRAPH *sm. 4to*
- 48 MERCURY. [NOTES ON THE PREPARATION OF PHILOSOPHICAL MERCURY by fermentation and "y^e mediation of Diana's Doves"; Preparation of Menstrues, etc., in English] *about 2,500 words, 6 pp.* AUTOGRAPH *sm. 4to*
- 49 MERCURY. [NOTES ON MERCURY and its Purification] *about 350 words, 1 p.* AUTOGRAPH *sm. 4to*
- 50 METALS. "QUOMODO METALLA GENERANTUR," etc., *about 1200 words, 3 pp.* AUTOGRAPH *sm. 4to*
- MINERALS. "DE RADICE SEMINE SPERMATE ET CORPORE MINERALIUM," *about 1200 words, 3 pp.* AUTOGRAPH *sm. 4to*
- MINERALS. "DE MINERALIBUS ex quibus desumitur," *about 3500 words, 11 pp.* (some edges burnt, affecting text, AUTOGRAPH *sm. 4to*
- MERCURY. [NOTES ON MERCURY, LEAD, TIN, SULPHUR & IRON, partly in English] *about 4,500 words, 14 pp.* AUTOGRAPH *sm. 4to*
- MERCURY. "DE MERCURIO DUPLATO, ex Turba," *about 1600 words, 5 pp.* AUTOGRAPH *sm. 4to, etc.*
- CONJUNCTION. "De Conjunctione in hora nativitatis" [*partly in English*] *about 2500 words, 4 pp.* (edges slightly burnt, affecting a few words) AUTOGRAPH *sm. 4to*
- ** These 6 items enclosed in a wrapper bearing a list of contents in Newton's hand.
- 51 METALS. DE METALLORUM METAMORPHOSI [3 Tracts: Prefatio; Brevis Manuductio ad rubinum cœlestem; Fons Chemicæ Philosophiæ] *over 4000 words, 8 pp.* AUTOGRAPH *sm. 4to*
- 52 METALS. "DE MINERALIBUS" [Notes on Geber, Basil Valentine, etc.] *about 800 words, 3 pp.* AUTOGRAPH *sm. 4to*

- 53 METHOD HOW TO USE THE TINCTURE OF SOL [in English] *about 600 words, 3 pp.*; A medecine to clear the eye sight; To Extract the tincture of Coral; To extract fixed salt of Amber; *about 600 words, 2 pp.*; ALL AUTOGRAPH; other Recipes (not in Newton's hand) *folio*
- 54 MYNSICHT (HADRIAN) AUREUM SÆCULUM REDIVIVUM [and] Testamentum Hadrianeum de aureo Phorem lapide, *diagram, about 300 lines [verse]* 8 pp. AUTOGRAPH *sm. 4to*
- 55 NORTON. "OUT OF NORTON'S ORDINAL," *in verse, beginning:* "Good Mr. Tensile, then teach me truly," 200 lines, followed by "OUT OF CHAUCER'S TALE OF Y^E CHANON'S YEOMAN," *beginning:* "Tell me y^e name of y^e privy stone," 12 lines; and a Poem by Richard Carpenter, 14 lines, 7 pp. ALL AUTOGRAPH *sm. 4to*
- 56 "NOTANDA CHYMICA" [Notes, mostly on Maier, ending: "Populi Americani in Peru mollificare norant ut instar ceræ digitis tractetur," *about 1500 words, 4 pp.* AUTOGRAPH *sm. 4to*
- 57 "NOTANDA CHEMICA" [Notes on Philalethes, Ripley, Maier, etc.] *about 1500 words, 4 pp.* AUTOGRAPH *sm. 4to*
- 58 NOTE-BOOK: containing "NOTANDA CHEMICA," *on 3 pp.* and "SENTENTIÆ NOTABILES" [in English and Latin] *on 22 pp. about 7500 words, AUTOGRAPH (plus 76 blank ll.) marbled paper wrappers* *sm. 4to*
- 59 NOTE-BOOK, arranged for entries under "De Sale"; "Solutio"; "Conjunctio et Liquefactio," etc., but containing little else than headings and analytical sub-headings, 15 ll. *unstitched, AUTOGRAPH* *sm. 4to*
- 60 NOTES "EX TURBA PHILOSOPHORUM," *over 2000 words, 6 pp.* AUTOGRAPH *sm. 4to*
- 61 NOVA LUMINA CHEMICA. Loca difficilia in Novo Lumine Chymico explicata, etc. 2 pp. AUTOGRAPH *sm. 4to*
- 62 OBSERVATIONS OF Y^E MATTER IN Y^E GLASS. Authore Anonymo [in English], *about 2500 words, 6 pp.* AUTOGRAPH *sm. 4to*

- 63 OPERATIONS. AN IMPORTANT COLLECTION OF PAPERS [in Latin] headed: "OPERATIONUM ORDO"; "MATERIÆ MINERALIS PRAEPARATIO PRIMO ET CONVERSIO IN AQUAM"; "EXTRACTIO ET RECTIFICATIO SPIRITUS"; "EXTRACTIO ET RECTIFICATIO ANIMÆ ET CALCINATIO CORPORIS"; "REDUCTIO"; "REDUCTIO ET SUBLIMATIO"; "ELEMENTORUM QUALITATES"; "SEPARATIO ELEMENTORUM," etc., *about 20,000 words, 63 pp., some pp. containing numerous marginal references, and many pp. much corrected, AUTOGRAPH* folio
- 64 OPERATIONS. OPUS PRIMUM; OPUS QUINTUM, Two sets of Notes; OPUS SEXTUM, Two sets of Notes; OPUS OCTAVUM; EXTRACTIO AURI VIVI ET CONJUNCTIO EJUS; *in all, about 12,000 words, 42 pp. AUTOGRAPH* sm. 4to
- 65 [OPERATIONS: 1—6, *beginning with* "Extractio et Rectificatio Spiritus"; *ending with* "Solutio sicca et humida metallorum vulgi eorumq. purgatio et multiplicatio infinita mercurii sophici et extractio auri vivi," in Latin, but with verse extracts in English from Ripley] *about 12,000 words, WITH ALTERATIONS AND RE-WRITINGS* sm. 4to
- 66 [OPERATIONS: NOTES ON THE OPERATIONS, 1, 2, and 6—9, some fragmentary, in Latin] *about 13,000 words, 43 pp. AUTOGRAPH, WITH VERY MANY ALTERATIONS AND RE-WRITINGS* sm. 4to
- 67 "OPUS GALLI ANONYMI," with note: "Simile est hoc opus operi Fabri . . ." chapters headed: "Practica"; "De Igne"; "Multiplicatio"; "Facere aurum potabile," etc., *about 2750 words, 8 pp. and wrapper, AUTOGRAPH* folio
- 68 "PEARCE THE BLACK MONCK UPON Y^E ELIXIR," *in verse* [English] 226 lines, 7 pp. AUTOGRAPH sm. 4to
- 69 PHILALETHES. Notes out of Philalethes, beginning: "Mercury vulgar is prepared for conjunction with sol vulgar by frequent cohobations of Reg of [Iron], 2 pp. AUTOGRAPH" sm. 4to
- 70 PHILOSOPHERS' STONE. "LAPIS PHILOSOPHICUS CUM SUIS ROTIS ELEMENTARIBUS": A DIAGRAM, consisting of a central circle ("Prima Materia") with 7 other circles (3 feminine and 4 masculine) round it, *with MS. descriptions of the colours, 1 p. 8vo*; Miscellaneous Notes, etc. *on 25 pp. (one leaf containing on the reverse the beginning of the draft of a letter: "Mr. Aubrey: I understand you have a letter from Mr. Lucas for me. Pray forbear to send me anything more of that nature") ALL AUTOGRAPH* sm. 4to, etc.

- 71 PHILOSOPHER'S STONE. "REGULÆ SEU CANONES ALIQUOT PHILOSOPHICI DE LAPIDE PHILOSOPHICO. Authore docto quodam Anonymo. Impress in fine Curationum Paracelsi," followed by "Mayer's Figures præfixed to Basil Valentine's Keys," *about 3000 words, 8 pp. AUTOGRAPH sm. 4to*

- 72 PHILOSOPHER'S STONE. SEVERAL QUESTIONS CONCERNING THE PHËRS ST. [in English] *about 3000 words, 8 pp. AUTOGRAPH sm. 4to*

[See ILLUSTRATION.]

- 73 PRACTICA MARIE PROPHETISSÆ IN ARTEM ALCHEMICAM, *about 1500 words, 4 pp. AUTOGRAPH sm. 4to*

- 74 PRAXIS [A TREATISE IN FIVE CHAPTERS with the following headings: "Cap I. De Materie Spermaticis"; "Chap. 2. De materia prima"; "Chap. 3. De Sulphure Phōrum"; "Cap. 4. De agente prima"; "Chap. 5. Praxis", in English] WITH VERY NUMEROUS ALTERATIONS AND RE-WRITINGS, *about 5500 words, 26 pp., in a wrapper of which 2 pp. contain notes on the derivation of the names and symbols of the metals from the Egyptian Gods, the Planets, etc., ALL AUTOGRAPH sm. 4to*

- 75 PREPARATIO MERCURII ad Lapidem per Regulam et Lunam, ex MSS. Phi. Americani, *about 1000 words, 6 pp. AUTOGRAPH sm. 4to*

- 76 PYROTECHNY. DE IGNE SOPHOREM ET MATERIA QUAM CALE FACIT [with passages in English on the Exaltation of Tinctures, etc.] *about 2500 words, 6 pp. AUTOGRAPH sm. 4to*

- 77 PYROTECHNY. THE THREE FIRES [in English] *about 1000 words, 3 pp. AUTOGRAPH sm. 4to*

- 78 PYROTECHNY. ["THE THREE MYSTERIOUS FIRES," mostly in English], etc., *about 1200 words, 3 pp. AUTOGRAPH*

[See ILLUSTRATION.]

- 79 PYROTECHNY. A SUMMARY OF THE OPERATIONS AND TECHNIQUE OF PYROTECHNY, analysed and arranged in tabular form, with details of all the various pieces of Apparatus used; Directions for the construction and working of Furnaces, illustrated by six diagrams, *over 3000 words, written on 2 sides of a folio sheet folded in 4to, AUTOGRAPH*

- 80 RAYMUNDUS. "EXPERIMENTA RAYMUNDI," [24 Experiments],
about 2500 words, 6 pp. AUTOGRAPH folio
- 81 RAYMUNDUS. [NOTES ON EXPERIMENTS out of Raymundus, the
"Theatrum Chymicum," etc.] headed "MISCELLANEA," about
1200 words, 4 pp.; other Notes, on 6 pp. ALL AUTOGRAPH folio
- 82 RAYMUNDUS. Ex Raymundi libro secretorum, seu de Quin-
tessentiis, about 2000 words, 5 pp. and Notes [in Latin] on
the separation of elements under Saturn and Jupiter, about
3000 words, 7 pp. ALL AUTOGRAPH sm. 4to
- 83 RECIPES. "A Medicine to transmute Copper"; "To make
artificiall pearle"; and other Recipes and Notes, not in
Newton's hand, on 7 pp. sm. 4to and 3 pp. folio
- 84 [REGIMENS. A TREATISE ON THE REGIMENS, &c.] mostly in
English, under the following headings: "LAPIDIS COM-
POSITIO"; "ELEMENTORUM CONVERSIO CONJUNCTIO ET
DECOCTIO"; "REGIMEN IGNIS"; "MATERIA" [from Phila-
lethes, Maier, Snyder, Basil Valentine, &c.]; "DECOCTIO
REGIMEN MERCURI" "REGIMEN JOVIS"; "REGIMEN LUNÆ";
"REGIMEN VENERIS, MARTIS ET SOLIS," with an Early Draft,
much altered, of the "Decoctio Regimen Mercurii," in all
about 23,000 words, 76 pp. enclosed in a wrapper covered with
notes and rough drawings of stills, retorts, etc. ALL AUTOGRAPH
sm. 4to
- 85 REGIMEN. NOTES ON THE REGIMEN, three sets, about 5300
words, 18 pp. (8 pp. badly discoloured), AUTOGRAPH sm. 4to
- 86 REGIMEN [A SERIES OF SEVEN APHORISMS, in English; FOLLOWED
BY ANNOTATIONS, mostly in Latin] about 3000 words, 7 pp.
AUTOGRAPH folio
- 87 REGIMENS. THE REGIMENS DESCRIBED, wth. y^e time & signes [in
English] about 2000 words, 6 pp. AUTOGRAPH sm. 4to
- PROPORTIONS. "OF PROPORTIONS" [in Latin] about 1200
words, 4 pp. AUTOGRAPH sm. 4to
- ELEMENTS. "DE PRIMIS MATERIALIBUS PRINCIPIIS [et eorum
præparatione] about 1000 words, AUTOGRAPH sm. 4to
- AXIOMS. "THE SERIES OF THE WORK IN AXIOMS [43] CLUEPLY
OF Y^e WORK IN COMMON GOLD," about 800 words, 4 pp. AUTO-
GRAPH sm. 4to

Lot 87 continued.

RIPLEY. "CONCLUSIONE EX RIPLEI OPERIBUS DEDUCTAE";
"PRAEPARATIO SALIS EX RIPLEI OPERIBUS," etc., *about 2000*
words, 11 pp. AUTOGRAPH sm. 4to

ALCAHEST. "OF THE ALCAHEST" [in English, except for
quotations], *about 3000 words, 8 pp. AUTOGRAPH sm. 4to*

PHILOSOPHER'S STONE. "DE MEDENDI ARTE, ET USU LAPIDIS"
[partly in English] *about 2000 words, 6 pp. AUTOGRAPH*
sm. 4to

** These 7 items enclosed in a wrapper bearing a list of contents
in Newton's hand.

88 REGULUS MARTIS. [A Recipe for making an alloy of Iron and
Antimony, in English] *about 300 words, 1 p. folio, AUTO-*
GRAPH; Recipes in the hand of John Conduitt for making
Aqua Fortis, and for Refining Silver, 1 p. folio; "Experi-
mentum Bellini," 1 p. 4to

89 REHE (JODOCUS A) OPERA CHYMICA, with Transcripts of Letters
to Dr. John Twysden from A. C. Faber, and Notes on Faber's
Works [in Latin] *about 7500 words, 22 pp. AUTOGRAPH*
sm. 4to

90 REMEDIES. A COLLECTION OF REMEDIES "Against y^e Plague";
"For y^e Scurvy & Goute"; "For a Tetter Worme on y^e
face"; "for y^e Toothach" "For y^e Spleene"; &c. *about 850*
words, on 5 pp.; "To make Ink," etc., about 600 words, on
4 pp. sm. 4to, AUTOGRAPH

91 RIPLEY (SIR GEORGE) Notes on Sir George Ripley: Ripley's
Vision; Preface to his Gates; and Opening of the Six Gates
(Calcination, Solution, Separation, Conjunction, Putrefac-
tion, Congelation) *about 8000 words, 14 pp. AUTOGRAPH*
sm. 4to

92 RIPLEY (SIR GEORGE) Epistle to K[ing] Edward unfolded,
about 10,000 words, 17 pp. AUTOGRAPH sm. 4to

93 [Ripley (Sir George)] "OF Y^E FIRST GATE," [in English] *about*
4,000 words, 9 pp. AUTOGRAPH sm. 4to

- 94 RIPLEY (Sir George) " RIPLEY EXPOUNDED " [the Twelve Gates] *about 4500 words, 12 pp.*; " NOTES UPON RIPLEY," *about 1500 words, 8 pp.*, ALL AUTOGRAPH *sm. 4to*
- 95 " ROSARIO MAGNO " [Notes and Abstracts] *about 750 words, 1½ pp.* AUTOGRAPH *sm. 4to*
- 96 SCHROEDER. [Notes] Out of Schroderus Pharmocopœia; and other Notes (*fragmentary*) *on 10 pp.* AUTOGRAPH *sm. 4to*
- 97 SENDIVOGIUS EXPLAINED [Notes on the Treatises 1—7, and 9—12 of Sendivogius; Notes on " Ye Philosophick Riddle," etc., mostly in English] *about 12,000 words, 37 pp.* AUTOGRAPH *sm. 4to*
- 98 SENTENTIÆ LUCIFERÆ ET CONCLUSIONES NOTABILES [with passages in English] etc. *about 6000 words, 18 pp.* AUTOGRAPH *4to*
- ** An autograph note on p. 1 reads: " King's Receivers take all but brass money till next May 24. None clipt passes after Feb. 10 except 6 pences. Broad money punched. 4 Mints in several parts of the Nation."
- 99 SEPARATIONS. NOTES ON SEPARATIONS, PROCESSIONS, SUBLIMATIONS, DISTILLATIONS, ETC. [mostly in Latin] with references to Raymundus, Maria Ferrar, Avicenna, Sendivogius, Flammel, and others, *about 9,000 words, 17 pp.* AUTOGRAPH *sm. 4to*
- 100 SILVER. RECIPE FOR MULTIPLYING SILVER (by adding silver, antimony and lead to Cinnabar) [in English] *about 160 words, ½-p.*; NOTES ON " AQUA SICCA," etc. [in English and Latin] *about 3000 words (much altered), with rough sketches of furnaces, and calculations, 12 pp.* ALL AUTOGRAPH *sm. 4to*
- 101 SOLUTION. " DE SECRETO SOL[UTIONS]" in English, [on Diana's Doves, etc.] *part of heading and several words missing, about 1000 words, 3 pp.* AUTOGRAPH *sm. 4to*

- 102 SNYDERS (JOHN DE MONTE) THE METAMORPHOSIS OF THE PLANETS, THAT IS A WONDERFULL TRANSMUTATION OF THE PLANETS AND METALLIQUE FORMES INTO THEIR FIRST ESSENCE (with an annexed Process), being a discovery of the three keys pertinent to the obtaining of y^e three Principles. Likewise in what manner the most generall universall is to be obtained is in many places of this treatise described by John de Monte Snyders, about 22,000 words, 62 pp. with beautifully written title containing a pen-and-ink drawing on reverse, AUTOGRAPH TRANSCRIPT; NOTES BY NEWTON ON THE BOOK, 4 pp., AUTOGRAPH (see Brewster, II, 371) sm. 4to

THE METAMORPHOSIS OF THE PLANETS,

That is

A wonderfull Transmutation of the Planets and Metallique formes into their first Essence; (with an annexed Process,) being a discovery of the three Keys pertinent to the obtaining of y^e three Principles. Likewise in what manner the most generall universall is to be obtained is in many places of this treatise described
By

John De Monte Snyders.

- 103 SNYDERS. A KEY TO SNYDERS [in Latin] *about 1000 words, on 3 pp.*; SENTENTIAE NOTABILII EXPOSITIAE, *about 1400 words, on 4 pp.* ALL AUTOGRAPH *sm. 4to*
- 104 SUBLIMATION. Notes on Sublimation; The Stone, The Tincture, etc. [in Latin] *about 1500 words, 6 pp.* AUTOGRAPH *sm. 4to*
- 105 "TABULA SMARAGDYNA" [and] "HIEROGLYPHICA PLANETARUM," *about 1750 words, 4 pp.* AUTOGRAPH *sm. 4to*
- 106 "THEATRUM ASTRONOMIAE TERRESTRIS" [and y^e conversion of one element into another in y^e composition of y^e stone," etc. *in English and Latin*] *about 1000 words, with 2 pen-and-ink diagrams,* AUTOGRAPH *folio*
- 107 THESAURUS THESAURORUM SIVE MEDICINA AUREA [in English] *about 1200 words, 5 pp.* AUTOGRAPH *sm. 4to*
- 108 TRANSMUTATION. "The Work of an old Priest, viz: B," etc. [containing directions "To turne) into ☉ (*i.e.* silver into gold) ") out of ☿ and ♂ " [silver out of mercury and iron]; directions to make Aurum Potabile, etc.] *with drawings of retorts, receivers, etc., about 3500 words, 8 pp.* AUTOGRAPH *sm. 4to*
- 109 TRANSMUTATION. Fragment only, of a Treatise [in Latin] *containing several curious pen-and-ink drawings of processes, one occupying a whole page, described [in English] in mystical terms, about 2200 words, 8 pp.* AUTOGRAPH *folio*
- 110 VALENTINE (BASIL) ABSTRACTS from the Works of Basil Valentine on Minerals; Transmutation of Metals; Vitriol, etc. [in English] *about 6000 words, 14 pp.* AUTOGRAPH *sm. 4to*
- 111 VALENTINE (B.) VERSES AT THE END OF B. VALENTINE'S MYSTERY OF THE MICROCOSM, *about 580 lines, with a small pen-and-ink drawing,* AUTOGRAPH (see Brewster, II, 371) *sm. 8vo*
- 112 VALENTINE (B.) CURRUS TRIUMPHALIS ANTIMONII [Notes and Abstracts] *about 4500 words, 8 pp.* AUTOGRAPH *sm. 4to*
- 113 [VEGETATION OF METALS: draft of a Short Treatise, *incomplete* (in English)] *about 4500 words, 12 pp.* AUTOGRAPH, WITH MANY CORRECTIONS AND ALTERATIONS *sm. 4to*

- 114 [VILLA NOVA (ARNOLDUS DE)] "EX ROSARII ABBREVIATI TRACT. QVING."—"EX PETRI BONI LOMBARDI FERRARIENSIS MARGARITA PRETIOSA"—"EX DIONYSII ZACHARIIS OPUSCULO"—"OUT OF PHILALETHE'S WORK CONCERNING THE EXTRACTION OF [SULPHUR] OUT OF [MERCURY]"; COMMENTARY ON RIPLEY, etc. (*partly in English*)—"EX CLANGORE BUCEINAE"; *about 24,000 words, on 61 pp., preceded by 5 pp. prepared as an index, AUTOGRAPH (the remainder of the volume blank), contemporary calf* folio

** Note on fly-leaf: "Sep. 25 1727. Not fit to be printed. Tho. Pellett."

- 115 VITRIOL. "NOTES UPON Y^e WORKING OF ————" [An account of an actual purification of Vitriol, which took 6 months to accomplish] *about 350 words, 1 p.; on the reverse are SEVEN "QUARES," and also notes of various sums owing to Newton (dated 1673-77) AUTOGRAPH* sm. 4to

- 116 YARWORTH (W.) PROCESSUS MYSTERII MAGNI PHILOSOPHICUS, 1701, a transcript, up to Experiment 9 only (*incomplete*), *not in Newton's hand, on 107 pp., contemporary calf, joints broken* 8vo

** Note on fly-leaf: "Sep. 25 1727. Not fit to be printed. T. Pellet."

- 117 YARWORTH (W.) PROCESSUS MYSTERII MAGNI PHILOSOPHICUS, 1702, a transcript of Chapters 1—6 (*incomplete*) *not in Newton's hand, on 91 pp. contemporary calf, with clasp, g.e. oblong sm.* 8vo

** Note on fly-leaf: "Sep. 25. 1727. Not fit to be printed. Tho. Pellet."

- 118 YARWORTH (W.) PROCESSUS MYSTERII MAGNI PHILOSOPHICUS, a neatly written transcript of Chapters 1-10 (*incomplete*) *not in Newton's hand, on 75 pp.* folio

** The texts of the foregoing transcripts of the *Processus* are not identical.

- 119 [YARWORTH (W.) PROCESSUS MYSTERII MAGNI PHILOSOPHICUS : an Abstract of Chapters 1—5 (*incomplete*) [in English] *about 3300 words, on 12 pp. AUTOGRAPH* folio

- 120 ALCHEMICAL MS. A Collection of Treatises on Alchemy: "The Apocalypse or Revelacon of the Secret Spirit"; "The true order in ye worke of ye Phors stone"; "De Alkymiae veritate"; Extracts from the Alchemical Writers, and a large collection of Recipes and Experiments, mostly in English, 112 ll. *contemporary limp vellum, wrapper (lower part missing) apparently from Newton's Collection but not containing anything in his hand* sm. 4to [16th-17th Cent.]

PRINTED.

- 121 NEWTON. SECRETS REVEAL'D: OR, AN OPEN ENTRANCE TO THE SHUT-PALACE OF THE KING: containing the greatest Treasure in Chemistry . . . composed By a most famous English-man styling himself Anonymus, or Eyræneus Philaletha Cosmopolita . . . Published for the Benefit of all English-men, by W. C. Esq. [*i.e.* William Cooper] CONTAINING CORRECTIONS AND ADDITIONS IN THE HAND OF NEWTON ON ALMOST EVERY PAGE, SOME COMPLETELY FILLING THE MARGINS, *with Newton's press mark "A/n θ" on inner cover, and autograph inscription on fly leaf: "cost dg Mr. Story," contemporary sheepskin*
sm. 8vo W. Godbid for W. Cooper, 1669

** Newton's library was sold by his administrators, within three months of his death, to John Huggins for £300. At the end of Huggins's List (now in the British Museum) five "Books that has notes of Sir Isaac Newton" are specially mentioned by title as having been withheld from the sale. This copy of "Secrets Reveal'd" is one of the five. The reference on the fly-leaf to "Mr. Story" is perhaps of some interest, because "Miss Storey" was the name of the girl to whom Newton was engaged before he went up to Cambridge. She was the step-daughter of an apothecary named Clark with whom Newton lodged while attending school at Grantham, and it was through Clark that he first became interested in chemistry.

SECTION II.

LETTERS TO SIR ISAAC NEWTON.

- 122 BENTLEY (RICHARD) A.L.S. TO NEWTON concerning the religious implications of the "*Principia*," *very closely written on 3 pp. folio* 18 Feb. 1692/3

** In 1692 Bentley delivered the first course of Boyle Lectures. He entitled them "A Confutation of Atheism," and devoted the seventh and eighth lectures to a demonstration of Divine Providence from the physical constitution of the universe as established in the *Principia*. This was the first popular exposition of Newton's philosophy. The present letter (sent to Newton before the Lectures were printed) deals entirely with Bentley's demonstration, and forms an indispensable preface to the famous series of four letters now at Cambridge which Newton wrote in reply.

- 123 BENTLEY (RICHARD) FOUR A.L.S. TO NEWTON, THREE OF WHICH DEAL IN DETAIL WITH THE PUBLICATION OF THE SECOND EDITION OF THE "*PRINCIPIA*," *closely written on 4 pp. 4to* 10 June 1708 - 6 Jan. 1713/14

** The second edition of the *Principia*, prepared under the superintendence of Roger Cotes, was issued by Bentley, who also took the whole of the profits. These interesting letters, which give full particulars of its progress through the press, publication price, etc., are printed in *Brewster*, II, 248-254.

- 124 BERNOULLI (NICHOLAS) A.L.S. to Newton

"Accepi ante aliquot menses nitidissimum exemplar operis tui nunquam satis laudati de Principis Philosophiae Naturalis . . ."

1 p. 4to

Padua, 31 May 1717

- 125 BIGNON (L'ABBÉ) A.L.S. to Newton thanking him for "un exemplaire de vostre dernier ouvrage" [the second edition of the *Principia*] 3 pp. 4to Paris, 30 Nov. 1713, and AUTO DRAFT, SIGNED OF NEWTON'S REPLY [IN LATIN] $\frac{1}{2}$ p. folio, with copy by a Conduit (3)

- 126 BOYLE (ROBERT) A.L.S. TO NEWTON, thanking him for "a Role of Papers accompanied by an obligeing Letter" and telling him of "Ye Apparition of a Comet . . . it appears in ye North part of the sky at or a little after ten of ye Clock at night," 2 pp. and address sheet, stained, sm. 4to

19 Aug. 1682

[See ILLUSTRATION.]

- 127 CASSINI (JAMES) A.L.s. [in Latin] to Newton, on the Satellites of Saturn, 2 pp. sm. 4to (*stained*) 6 Apr. 1698—Truchet (F. S.) A.L.s. to Newton [in Latin] thanking him for a copy of the *Optics* and discussing the composition of light, 5 pp. sm. 4to, *undated*; and other A.L.s. to Newton [in Latin] from A. H. de Sallengre, 2 pp. sm. 4to, *The Hague*, 22 Sept. 1719; H. F. Dagnesseau, 3 pp. sm. 4to [28 Sept.] 1721 (4)

- 128 CLARKE (GILBERT) FOUR A.L.s. TO NEWTON CONCERNING DIFFICULTIES IN THE "PRINCIPIA," 4½ pp. sm. 4to and 5½ pp. folio (*one letter stained*)

Stamford, 26 Sep., 10 Oct., 7 Nov., 21 Nov. 1687

** The first letter contains also an AUTOGRAPH DRAFT, SIGNED, OF NEWTON'S REPLY, giving a detailed explanation of the 17th proposition :

"I do not wonder that in reading a hard Book you meet with some scruples and hope ye removal of those you propound may help you to understand it more easily . . . I thank you for signifying your doubts to me in these things because they might have proved my mistakes . . ."

- 129 COLLECTION OF LETTERS TO NEWTON, mostly of compliment, from foreign Scholars (in Latin) including : P. ALLIX, J. A. ARLAND, J. P. BIESTER, F. BLANCHINI (2), T. J. DE LAGNY, G. P. DOMCKE, G. GRANDUS (2), G. J. s' GRAVESANDE, J. HERMANN, B. LAURENTIUS, A. VAN LEEUWENHOECK (in Dutch, 4 pp. 4to. *Delft* 9 Nov. 1714), J. G. LIEBKNUSS, L. A. MURATORIUS, P. V. MUSSCHENBROEK, L. A. RIPA, J. J. SCHEUCHZER (3), N. TRON, J. J. M. URSIUS, J. VALLETTA, L. VINCENT, D. DE VOLDER, D. WAEYWEL, H. WETSTEIN, PÈRE, ETC. (38)

- 130 COLLINS (JOHN) A.L.s. to J. A. Borellius, containing a list of books he is sending, 2 pp. folio, 8 June 1672—BORELLIUS (J. A.) A.L.s. to John Wallis, mentioning Boyle and Collins, 1 p. folio, *Messina* 6 Dec. 1670—A.L.s. from le Marquis d'Evenan [?] to Huyghens, 3 pp. 4to. *Paris* 20 Aug. (3)

- 131 COTET. A.L.s. [in English] to Newton, concerning the edition of the *Optics* then being printed in Paris, (*torn in folds*) 3 pp. 4to. 16 Aug. 1721, *endorsed by Newton*—Gravesande (G. J.) A.L.s. to Newton concerning a machine "que l'inventeur assure estre un mouvement perpetuel," 6 pp. 4to. *Cassel* 18 Aug. 1721—De L'Isle, 2 A.L.s. to Newton, one thanking him for election to the Royal Society, 4½ pp. 4to. *Paris*, 2 April-21 Dec. 1724—Marsili (A. F.) 2 A.L.s. to Newton, [in Latin] 3½ pp. 4to 11 Mar. 1724 [Aug. 1724] *one endorsed by Newton* (6)

132 DERHAM (WILLIAM) 2 A.L.S. to Newton:—

(1) Saying that he has been trying Huygen's glass of 122ft. on the planets but is handicapped by having to use spectacle glasses instead of a proper "eye glass" "but would you or some other of my friends that have interest enough, procure me a small Prebend, to enable me to be at charges without injuring my wife and children, I promise you I would stick at no charge to get an apparatus for this noble glass"

(2) Asking Newton for a promised computation of the centrifugal force of Saturn's rotation, etc.

3 pp. 4to. *Upminster*, 20 Feb. 1712/3 [Brewster II, 519-520]
 1½ pp. 4to *Upminster*, 11 May 1714, with NOTES, on back,
 IN NEWTON'S HAND, titled: "Upon finding the length of the
 solar year of 365 days"

133 DESAGULIERS (J. T.) A.L.S. to Newton asking for Directions in writing regarding his duties as Demonstrator of Experiments before the Royal Society, 3 pp. 8vo 29 April 1725

134 FATIO DE DUILLIER (NICOLAS) A SERIES OF 11 A.L.S. TO NEWTON AND TO JOHN CONDUITT, ETC., *written in a minute hand*

** Fatio was an intimate friend of Newton and figures prominently in the Fluxions Controversy. It was he who first openly accused Leibnitz of plagiarism. He combined mathematics with religious fanaticism and in 1707 appeared in the pillory at Charing Cross for publishing prophecies calculated "to terrify the Queen's people." He then set out to convert the world and after wandering for several years all over Asia he retired to Worcester where he died in 1753, being then in his 90th year.

*(1) To Newton, describing his severe illness:

I thank God my soul is extreemly quiet in which you have had the chief hand. If I am to depart this life I could wish my eldest brother . . . could succeed me in your friendship. . . .

1 p. 4to.

London 17 Sept. 1692

(2) To Newton:

I give you, sir, my most humble thanks again, both for your prayers . . . and for your kindness to me. . . .

2 pp. 4to

London 22 Sept. 1692

(3) To Newton, giving a long account of an alchemical experiment:

A metallick putrefaction and fermentation which lasts for a great while and turns to a vegetation producing a heap of golden trees with their leaves and fruits. . . . I have not now any need of money, sir, nor of your powders, but I thank you kindly for your offers of both. . . .

2 pp. 4to, with four fine impressions of Newton's armorial seal (*shin-bones in saltire*) on address sheet

London 4 May 1693

Lot 134 continued.

(4) To Newton, concerning a watch which is being made for Dr. Bentley at a cost of £15, and enclosing some "Corrigenda in Paradoxo Astronomico" for Halley
1 p. 4to Worcester 15 June 1717

(5) To Newton, concerning a project to encrease both the Reputation and the Manufacture of pierced rubies. . . .
 $\frac{1}{2}$ p. 4to Worcester 1 April 1724

(6) Three A.L.s. to Conduitt, concerning Newton's Epitaph (inscribed on the monument in Westminster Abbey)
4 pp. 4to Worcester 8, 12, 26 Aug. 1730

(7) Three A.L.s. to Conduitt asking for help to obtain :
"A recompense . . . in consequence of that inestimable piece of service, by which, with the greatest danger for myself, I became the only instrument in the Hands of Almighty God, for saving the Prince of Orange afterwards King of Great Britain his Life or Liberty, from a most secret and most dangerous Plot, which did justly seem infallible in its execution. . . ." (A historical fact, see D.N.B.)
3 pp. 4to Worcester 5, 10, 12 April 1732

(8) Two copies of Fatio's Petition (one to the King and the other to the House of Commons); and abstract of a letter from Fatio to Dr. Worth, giving a full account of the plot to kidnap the Prince of Orange and how it was frustrated, 3 pp. 4to, 26 Jan. 1731/2, all in Fatio's hand,

(9) [Printed] Nicolai Facii Duillieri Neutonus Ecloga, 2ll, 8vo [Ghent?] "Editio ab Auctore recognita. Anno MDCCXXVIII. . ."

135 FONTELLE (BERNARD LE BOVIER DE) 2 A.L.s. TO NEWTON, one thanking him for a personal gift of the second edition of the "Principia," and the other thanking him on behalf of L'Académie Royale des Sciences, for the French edition of the "Optics," 4 pp. sm. 4to Paris, 9 June 1714-22 Nov. 1722

136 FONTENELLE (BERNARD LE BOVIER DE) TWO A.L.s. TO NEWTON, THANKING HIM ON BEHALF OF L'ACADEMIE ROYALE DES SCIENCES FOR THE SECOND AND THIRD EDITIONS OF THE "PRINCIPIA," and paying compliments, 3 pp. 4to, Paris, 4 Feb. 1714-14 July 1726, with an AUTOGRAPH DRAFT OF NEWTON'S LETTER [in Latin] SENDING THE THIRD EDITION, $\frac{1}{2}$ p. 4to, undated

* Fontenelle's first letter is printed in *Brewster*, II, 578.

- 137 HALLEY (EDMUND) A MOST IMPORTANT SERIES OF NINE A.L.S. TO NEWTON FROM EDMUND HALLEY, CONTAINING THE HISTORY OF THE PUBLICATION OF THE "*PRINCIPIA*," covering 6 pp. 4to and 6 pp. folio, with address sheets and seals
22 May 1686-5 July 1687

** The *Principia* grew out of a course of nine lectures *De Motu Corporum* which Newton delivered in Cambridge in 1684. He sent a copy of these to his friend Halley who immediately recognized their importance and hastened to Cambridge to obtain a promise from the author to expand them into a Treatise. On 28 April 1686 Book I was presented to the Royal Society and the Council ordered "that a letter of thanks be written to Mr. Newton and that the printing of this book be referred to the consideration of the Council and that in the meantime the book be put into the hands of Mr. Halley to make a report thereof." On 19 May 1686 it was ordered that the *Principia* "be printed forthwith in quarto in a fair letter," and on 30 June the Imprimatur was signed by Pepys.

At this time, however, the Society was practically bankrupt and the book would not have been published if Halley, living in comparative poverty, had not most generously offered to print it at his own expense. After encountering many difficulties, of which Newton's reluctance to publish was not the least, he gave the *Principia* to the world in July, 1687. "We may be certain," says Glaisher, "that but for Halley the '*Principia*' would not have existed."

- (1) 22 May 1686: "Your incomparable treatise intituled *Philosophia Naturalis Principia Mathematica*, was by Dr. Vincent presented to the R. Society on the 28th past, and they were so very sensible of the Great Honour you do them by your Dedication, that they immediately ordered you their most hearty thanks, and that a Councell should be summon'd to consider about the printing thereof . . . I am intrusted to look after the printing it, and will take care that it shall be performed as well as possible, only I would first have your directions in what you shall think necessary for the embellishing thereof, and particularly whether you think it not better, that the Schemes should be enlarged. . . . There is one thing more I ought to informe you of, viz., that Mr. Hook has some pretensions upon the invention of y^e rule of the decrease of Gravity, being reciprocally as the squares of the distances from the Center. He sais you had the notion from him. . . ." [For a full account of the Hooke-Newton Controversy, see W. W. Rouse Ball's *Essay on Newton's Principia*.]

[See ILLUSTRATION.]

Lot 137 continued.

- (2) 7 June 1686 : "I here send you a proof of the first sheet of your Book. . . . I hope you will please to bestow the second part, or what remains of this, upon us, as you shall have finished it, for the application of the Mathematical part to the System of the world ; is what will render it acceptable to all Naturalists, as well as Mathematiciens, and much advance the sale of y^e book. . . . The printer begs your excuse of the Diphthongs, which are of a Character a little bigger, but he has some a casting of the just size. . . ."
- (3) 29 June 1686 : " . . . I am heartily sorry that in this matter wherein all mankind ought to acknowledge their obligation to you, you should meet with anything that should give you disquiet, or that any disgust should make you think of desisting in your pretensions to a Lady, whose favours you have so much reason to boast of. [Newton, weary of his controversy with Hook, had written : "Philosophy is such as impertinently litigious Lady, that a man had as good be engaged in lawsuits, as have to do with her."] Tis not shée but your Rivalls enviing your happiness that endeavour to disturb your quiet enjoyment, which when you consider, I hope you will see cause to alter your former Resolution of suppressing your third Book. . . . According to your desire in your former I waited upon S^r Christopher Wren, to inquire of him, if he had the first notion of the reciprocally duplicate proportion from Mr. Hook, his answer was, that he himself very many years since had had his thoughts upon the making out the planets motion by a composition of a Descent towards the sun, and an imprest motion ; that that at length he gave over, not finding the means of doing it. . . ." [After a great deal more about Hook, he resumes :] "S^r, I must now again beg you, not to let your resentments run so high, as to deprive us of your third book. . . . Now you approve of the Character and paper, I will push on the Edition vigorously. I have sometimes had thoughts of having the Cutts mostly done in Wood, so as to stand in the page, with the demonstrations, it will be more convenient. . . ."
- (4) 14 Oct. 1686 : "By reason you are desirous that your book should not be publick before Hillary term, the Impression has not been expedited as it might have been ; but I hope that it is the more correct for proceeding so slow. I have sent you by the coach which goes from hence tomorrow morning all the sheets that are done, desiring you would please to mark all the errata you shall find . . . but this at your leisure." [Goes on to point out an apparent mistake in problem 23, and asks for further explanation of the method of transmuting a trapezium into a parallelogram (22nd Lemma).]
- (5) 24 Feb. [1687] : "I return you most hearty thanks for the copy you sent me of the sheet which was lost by the printers Negligence ; I will now do nothing else till the whole be finished, which I hope may be soon after Easter ; and to redeem the time I have lost, I will employ an other presse to goe on with the second part, which I am glad to understand you have perfected. . . . Your demonstration of the parallax of the Sunn from the Inequalitys of the Moons Motions, is what the Societie has commanded me to request of you, it being the best means of determining the dimensions of the planetary Systeme, which all other ways are deficient in ; and they entreat you not to desist, when you are come so near the Solution of so noble a probleme. This done there remains nothing more to be enquired in this matter, and you will do your self the honour of perfecting scientifically what all past ages have but blindly groped after. . . ."

Lot 137 continued.

- (6) 7 Mar. 1687: "I received yours, and according to it, your Second Book, which this week I will putt to the press, having agreed with one that promises me to get it done in 7 weeks, it making much about 20 sheets; The first book will be about 30, which will be finished much about the same time; This week you shall have the 18th sheet according to your direction: You mention in this second, your third Book de Systemate mundi, which from such firm principles, as in the preceding you have laid down, cannot chuse but give universall satisfaction; if this be likewise ready, and not too long to be got printed by the same time, and you think fit to send it, I will endeavour by a third hand to get it all done together, being resolved to engage upon no other business till such time as all is done: desiring herby to clear myself from all imputations of negligence, in a business wherin I am much rejoyced to be in any wais concerned in handing to the world that that all future ages will admire: and as being Sr, Your most obedient Servant
Edm. Halley."
- (7) 14 March 1687: "... I have now sent you the 18th sheet of your book, but could not be as good as my word, by reason of the extraordinary trouble of the last sheet. ... I have not been wanting to endeavour the clearing it of Errata, but am sensible that notwithstanding all my care some have crept in, but I hope none of consequence. Pray please to examine it yourself, and note what mistakes are committed, ... and if they be very materiall the sheet shall be done over again, as I was forced to do the sheet D, and half the sheet P must be done, for the figure is turn'd upside down by y^e negligence of the printer in pag 112. I hope in a fortnight to send you as many more sheets, and very suddenly to have the first part finished. ..."
- (8) 5 Apr. 1687: "I received not the last part of your divine Treatise till yesterday though it came to town that day sennight. ... The first part will be finished within this three weeks, and considering the shortness of the third over the second, the same press that did the first will get it done so soon as the second can be finished by another press; but I find some difficulty to match the letter justly. Your method of determining the Orb of a Comet deserves to be practised upon more of them, as far as may ascertain whether any of those that have passed in former times may have returned again: for their Nodes and perihelia being fixed will prove it sufficiently, and by their periods the transverse diameters will be given. ... I find I shall not get the whole [of the *Principia*] compleat before Trinity term, when I hope to have it published; when the world will not be more instructed by the demonstrative doctrine thereof, than it will pride it self to have a subject capable of penetrating so far into the abstrusest secrets of Nature, and exalting humane Reason to so sublime a pitch by this utmost effort of the mind. ..."
- (9) 5 July 1687: "I have at length brought your Book to an end, and hope it will please you. The last errata came just in time to be inserted. I will present from you the books you desire to the R. Society, Mr. Boyle, Mr. Pagit, Mr. Flamsteed, and if there be any else in Town you designe to gratifie that way; and I have sent you to bestow on your friends in the University 20 copies, which I entreat you to accept. In the same parcell you will receive 40 more, wh. having no acquaintance in Cambridg I must entreat you to put into the hands of one or more of your ablest Booksellers to dispose of them: I intend the price of these bound in calves leather and lettred to be 9 shill here, those I send you I value in

Lot 137 continued.

Quires at 6 shill to take my money as they are sold, or at 5^{sh} a peice certain for ready or else at some short time ; for I am satisfied that there is no dealing in books without interesting the Book-sellers, and I am contented to lett them go halves with me, rather than have your excellent Work smothered by their combinations. I hope you will not repent you of the pains you have taken in so laudable a piece, so much to your own and the Nations credit, but rather, after you shall have a little diverted your self with other studies, that you will resume those contemplations, wherin you have had so good success, and attempt the perfection of the Lunar Theory, which will be of prodigious use in Navigation, as well as of profound and subtile speculation. . . . You will receive a box from me on Thursday next by the Waggon that parts from hence to morrow."

The series printed (very inaccurately) in Brewster, *vol. I*, p. 446, and Append VIII and XII; Nos. 1, 2, 3, 8 and 9 printed(with omissions) in L. T. More's *Isaac Newton*, 1934

- 138 HALLEY (EDMUND) FOUR A.L.S. TO NEWTON, covering 3½ pp. folio, Chester, 28 Nov. 1696, 13 Feb. 1697, 2 Aug. 1697, 30 Dec. 1697, and FOUR A.L.S. TO THOMAS MOLINEUX, covering 1 p. 4to and 5 pp. folio, Chester, 21 July 1697, 31 July 1697, and 25 Aug. 1697 (2)

** To facilitate the re-coinage of 1696 several provincial Mints were established. Halley, by the influence of Newton, was appointed Deputy Controller of the one at Chester, where he soon found himself involved in violent dissensions.

30 Dec. 1697 (to Newton): "... The Mint at Chester I assure you cannot subsist as it ought, whilst Lewis governs Clark as he does, and Mr. Neale supports both. Wherfor I begg that Lewis may appear face to face with me, before the Lords, there to answer to his throwing a standish at Mr. Weddell . . . and some other accusations of that nature I am prepared to lay before their Lordships. I came to town purposely to charge that proud insolent fellow. . . ."

2 Aug. 1697 (to Newton): "Our Adversary Clark went on Saturday afternoon for London with a resolution to loade the Warden and my self, with all the Calumnys he can : you see what weapons they fight with, and stick at nothing to compass their ends. . . ."

In spite of the feud, however, Halley, supported by Newton, retained his post until the Mint was abolished in 1698. These lively letters give a first-hand account of what was certainly the stormiest episode in Halley's life.

- 139 HAWES (NATHANIEL, *Treasurer of Christ's Hospital*), A.L.s. [to Newton]

"Your letters and paper both by the Carrier and post are safe to hand; wherein you have taken soe great paines and express'd soe great kindnes withal, as could not have bin expected from anybody of his candour and ingenuity then Mr. Newton."

$\frac{1}{2}$ p. folio (torn)

29 May 1694

** Newton drew up a reformed method of mathematical study for Christ's Hospital, for which the above is a letter of thanks. Newton's scheme is printed in *Edleston*.

- 140 HOCKETT (JOHN) A.L.s. to Newton, asking interest for his son at Trinity, 1 p. folio, 14 Sept. 1699, with notes on *Chronology in Newtons hand in margin and on address sheet*

- 141 HOOKE (ROBERT) A.L.s. TO NEWTON ON THE CONTROVERSY BETWEEN THEM ON THE THEORY OF LIGHT AND COLOURS, 1 p. folio, stained and a few unimportant words missing

1675/6

"The Hearing of a letter of yours read last week in the meeting of y^e Royall Society made me suspect y^t you might have been some way or other misinformed concerning me. . . . I have therefore taken the freedom w^{ch} I hope may be allowed in philosophicall matters to acquaint you of myself, first that I do noe ways approve of contention or finding and proving in print, and shall be very unwillingly drawn to such kind of warr. Next that I have a mind very desirous of and very ready to imbrace any truth that shall be discovered though it may much thwart and contradict any opinions or notions I have formerly imbraced. . . . Thirdly that I doe justly value yo^r excellent Disquisitions. . . . Your Designes and myne I suppose aim both at the same thing w^{ch} is the Discovery of truth. . . . If therefore you will please to correspond about such matters by private letter I shall very gladly imbrace it. . . . This way of contending I believe the more philosophicall of the two. . . ."

with NEWTON'S REPLY, AUTOGRAPH, signed, 1 p. folio, stained and a few unimportant words missing

Cambridge, 5 Feb. 1675/6

"At the reading of yo^r letter I was exceedingly pleased and satisfied wth yo^r generous freedome, and think you have done what becomes a true Philosophical spirit. There is nothing w^{ch} I desire to avoyde in matters of Philosophy more than contention, nor any kind of contention more then one in print: and therefore I most gladly embrace yo^r proposal of a private correspondence. What's done before many witnesses is seldome wthout some further concern then that for truth; but what passes between friends in private, usually deserves y^e name of consultation rather than contention, and so I hope it will prove between you and me. . . . What Des-Cartes did was a good step. You have added much several ways and especially in considering y^e colours of thin plates. If I have seen further it is by standing upon y^e sholders of Giants. But I make no question but you have divers very considerable experimts besides those you have published, and some of it's very

Lot 141 continued.

probable y^e same wth some of those in my late papers. Two at least there are w^{ch} I know you have observed; the dilatation of y^e coloured rings by y^e obliquation of y^e eye and y^e apparition of a black spot at y^e contact of two convex glasses and at y^e top of a water bubble; and its' probable there may be more, besides others w^{ch} I have not made; so that I have reason to defer as much, or more, in this respect to you as you would do to me. . . ."

** These two famous letters have been read in widely different senses by Newton's various biographers. Brewster refers to them as "these beautiful letters, emulous of good feeling and lofty principle." Hooke and Newton, however, remained implacable enemies until the end, and it is noteworthy that in the *Opticks* (published in 1704, the year following Hooke's death) Newton makes no mention of Hooke's experiments on diffraction although he specifically acknowledges them in the above letter.

- 142 HORNE (T.) A.L.S. to Newton concerning difficulties in Des Cartes' third book on the nature of Equations, 1 p. folio, Hadly, Suffolk, 22 Aug. [no year]; on the address sheet a list of 59 towns in Mesopotamia, etc., with their latitude and longitude IN THE HAND OF NEWTON

- 143 LOCKE (JOHN) A.L.S. TO NEWTON, $\frac{1}{2}$ p. with 2 ALCHEMICAL RECIPES HEADED "FIRST PERIOD," $\frac{3}{4}$ p. (the year torn off the date) sm. 4to London, 26 July [1692]

" . . . Findeing noe better conveyance I have sent you the 8th chapter [? of "Some Thoughts concerning Education"] by Martin the Carrier . . . I would beg y^u if y^u have soe much leisure to read, correct, censure and send it back by the same hand this weeke else I fear the presse will stay. . . . Mr. Boyle has left Dr. Dickison, Dr. Cox and me the inspection of his papers. I have here inclosed y^u the transcript of two of them that came to my hand because I knew you desired it. . . ."

** A MOST INTERESTING LETTER: Boyle (who died 30 Dec. 1691) believed he had discovered how to "multiply" gold by combining a certain red Earth with mercury, and a Company was actually formed in London to work the process. Boyle confided the recipe separately to Newton and Locke (who was also an alchemist) after imposing conditions of secrecy upon them. On investigating the recipe, however, Newton found that Boyle had omitted to disclose one very important step, and this is what Locke was trying to find among Boyle's papers. In a letter to Locke, dated 7 July 1692, Newton says "I feare I have lost y^e first and third part out of my pockett." On 2 Aug. he wrote again to Locke dissuading him "from too hasty a trial of this recipe" which he states to be "imperfect and useless."

[See ILLUSTRATION.]

- 144 MEHEUX (FRANCIS) A.L.s. to Newton concerning some red, black and white earths, evidently for some chemical experiments, 1 p. folio, 2 Mar. 1683, on the reverse a list in Newton's hand of 21 names of people in the Stanford and Colsterworth district, four of whom are bracketed as "Freeholders examined as witnesses"—A.L.s. to Newton from J. Drummond acknowledging a copy of the Latin edition of the *Opticks*, presented to the College of Physicians, 1 p. 4to, *Edinburgh* 20 July 1708—A.L.s. to Newton from John Chamberlayne, regarding Signior Bianchi who wants an audience, 1 p. 8vo, 21 Aug. 1710, with Theological notes in Newton's hand, *on reverse*—Copy of a letter from John Caswell to John Flamsteed concerning magnetism, 2 pp. folio (*stained, partly illegible*), 3 pp. folio, 14 Oct. 1694, and three other pieces (7)
- 145 MENZIKOFF (ALEXANDER) Letter, in French, signed, to Newton asking to be admitted to the Royal Society, 2 pp. 4to, *St. Petersburg*, 23 Aug. 1714, with THREE AUTOGRAPH DRAFTS OF NEWTON'S REPLY [in Latin] on 4 pp. 4to, *dated* 21-25 Oct. 1714
- ** Brewster says that Prince Alexander Menzikoff was elected on 29 July, 1714; obviously an error.
- 146 MILL (JOHN) A.L.s. TO NEWTON, reminding him of his promise to send Mill his notes on the collation of ancient MSS. of the *Apocalypse*, etc., 1 p. folio
St. Edmund's Hall, Oxford, 7 Nov. 1693
- ** Printed in *Brewster, II*, 472. Newton's reply is in the Library of Queen's College, Oxford.
- 147 MONMORT (REMOND DE) 2 A.L.s. TO NEWTON, one in French, sending him a copy of his "*Essai d'Analyse par les jeux de hazard*," and asking for news of the second edition of the *Principia* which he hears is contemplated, 2 pp. 4to, *Paris*, 16 Feb. 1709; and the others, in English, thanking him for presents, to himself and his wife: "ornaments given by Mr. Newton and chosen by Mrs. Barton whose wit and taste are equal to her beauty," 2 pp, 4to, *ib.* 25 Feb. 1716/17 (2)

- 148 MONTAGUE (CHARLES, afterwards first EARL OF HALIFAX) A.L.S.
TO NEWTON NOTIFYING HIM OF HIS APPOINTMENT TO THE
WARDENSHIP OF THE MINT, 1½ pp. 4to 19 March 1695

Chas. Montague

"I am very glad that at last I can give you a good proof of my friendship, and the esteem the King has of your merits. Mr. Overton the Warden of the Mint is made one of the Comrs of the Customes and the King has promised Me to make Mr. Newton Warden of the Mint, the office is the most proper for you 'tis the Chief Officer in the Mint, 'tis worth five or six hundred pounds p An. and has not too much bus'ness to require more attendance then you may spare. I desire you will come up as soon as you can, and I will take care of your Warrant in the mean time. . . . Let me see you as soon as you come to Town, that I may carry you to kiss the King's hand. . . ."

❖ Printed (inaccurately) in *Brewster II*, 191.

[See ILLUSTRATION overleaf.]

5th
19. March 1695

I am very glad that at last I can give you a good proof of my friendship, and the esteem the King has of your Merits. M^r Overton the Warden of the Mint is made one of the Com^{rs} of the Customs and the King has promised me to make M^r Overton Warden of the Mint, the Office is the most proper for you 'tis the Chief Officer in the Mint, 'tis worth five or six hundred pounds p^a An. and has not so much business to require more attendance than you may spare. I desire you will come up as soon as you can, and I will take care of your Warr

- 149 MONTAGUE (CHARLES, Earl of Halifax) 2 A.L.S. TO NEWTON
sending him news of the political situation, 3 pp. 4to
17 March-5 May [1705]

** Printed in *Brewster II*, 216-218. Newton stood as Whig Candidate for Cambridge on 17 May 1705 and was defeated, although all the residents are said to have voted for him.

- 150 PEPYS (SAMUEL) A.L.S. TO NEWTON ON THE CHANCES OF
THROWING SIXES AT DICE, 1 $\frac{3}{4}$ pp. folio 21 Dec. 1693

** This is one of a series of letters which passed between Pepys and Newton arising out of Pepys' inquiry as to the chances of throwing single, double, and treble sixes with 6, 12, and 18 dice respectively. Newton wrote three letters on this subject the first of which (26 Nov. 1693) was sold in these rooms (*Pepys Cockerell Collection*) on 1 April 1931. Pepys' second letter asks for details of the "easy computation" mentioned by Newton. Newton's second letter (16 Dec. 1693) contains a table of eight progressions for making it, and the letter now offered is PEPYS' THIRD LETTER:—

" . . . If to what you have done, and which I can in noe wise sufficiently acknowledge yo^r favour in, it could be excuseable to come once more to you upon y^e same errand it should be to ask you . . . [Pepys here states his difficulties, and concludes:] I am conscious enough that this is but fumbling, and that it arises only from my not knowing how to make y^e full use of yo^r Table of Progressions; but pray bee favourable to my unreadinesse in keepeing pace with you therein, and give me one line of further Help."

Printed in *Brewster*, II, 471.

[See ILLUSTRATION.]

- 151 RIZZETTI (JOHN) COPY OF A LETTER, IN NEWTON'S HAND, from Rizzetti to Christino Martinello of Venice [in Latin] containing objections to Newton's Optical Experiments, *with two diagrams*, 8 $\frac{1}{2}$ pp. sm. 4to, *undated*; and copy [not in Newton's hand] of another letter from Rizzetti on the same subject, addressed to the Royal Society, 4 pp. folio, *undated* (2)
- 152 STIRLING (JAMES) A.L.S. TO NEWTON concerning Nicholas Bernoulli and his investigation of the curve defining the resistances of a pendulum when the resistance is proportional to the velocity, 3 pp. 4to, *Venice*, 17 Aug. 1719

** An interesting letter printed in *Brewster II*, 516-517.

SECTION III.

LETTERS WRITTEN BY SIR ISAAC NEWTON.

- 153 NEWTON. Early copies (not autograph) of 17 letters from Newton to John Collins [—] *Jan.* 1669—5 *Sept.* 1676; 27 to Henry Oldenburg, 6 *Jan.* 1671/2—28 *Nov.* 1676; one to Francis Aston, 18 *May*, 1669, and one to Dary, 22 *Jan.* 1675 [printed in the *Macclesfield Correspondence*, or *Philosophical Transactions*], on 111 pp. folio
- 154 NEWTON (SIR ISAAC) A.L.S. TO HENRY OLDENBURG ASKING FOR INFORMATION ON THE PLANTING OF APPLE TREES AND THE MANUFACTURE OF CIDER, closely written on 1½ pp. folio, with address sheet and seal (and a contemporary copy)
2 *Sept.* 1676
- * Printed in *Brewster*, I, 129-131.
- 155 NEWTON (SIR ISAAC) AUTOGRAPH DRAFT OF A LETTER (*unsigned*), TO AN UNNAMED PERSON, closely written on 2½ pp. folio (small hole destroying a few letters)
Cambridge, 11 *Jan.* 1677/8
- ** A long letter concerning his tenant at Woolsthorpe, a Mr. Storer, with whom he had had a lawsuit in order to compel him to scour the drains, repair the thatch, and the walls and palings of the swine-cot and the cow-house, etc., according to the terms of his lease. This letter gives a full account of the trouble, and ends: "I thank you for undertaking y^e office of an arbitrator, and y^t you may inherit y^e blessing promised to peace makers is ye hearty wish of ——" *Printed in Brewster*, II. 546-548
- 156 Newton. Copy (not in Newton's hand) of "A Letter from Sr. Is. Newton to the Hon^{ble}. Rob^t. Boyle Esq^r. Cambridge, *Feb.* 28, 1678/9 [on the physical qualities of bodies and the cause of gravitation], 28 pp. sm. 4to, boards

- 157 NEWTON (SIR ISAAC) AUTOGRAPH COPY OF A LONG LETTER (ABOUT 2750 WORDS) TO THOMAS BURNET GIVING NEWTON'S THEORY OF THE CREATION OF THE EARTH AND ITS SUBSEQUENT DEVELOPMENT, 5 pp. folio [Jan. 1680/81]

** A MOST INTERESTING LETTER. The original is not known to exist. Before Burnet published his *Theoria Telluris Sacra* he sent a copy of the book to Newton and asked for his opinion on the theories it expounded. In his reply Newton discusses many of them in considerable detail. He rejects altogether the literal interpretation of the account of the Creation given in Genesis and insists that Moses accommodated his words to "the gross conception of the vulgar."

"I wish I was as well satisfied with your argument about y^e oval figure of y^e earth. For it seems hard to me that a constant force applied to stretch a membrane (as you figuratively term y^e atmosphere) should make it shrink, unless you suppose it at first overstretched by a tumultuary force and so to return by way of undulation, and that y^e limus of y^e earth hardened while it was in y^e ebb. But whatever may be y^e reason of y^e earths figure you desire my opinion what that figure is. I am most inclined to believe it spherical or not much oval. And my chief reason for that opinion is y^e analogy of y^e Planets. . . ." [He then describes the formation of the sea, mountains, etc.] "As to Moses, I do not think his description of y^e creation either philosophical or feigned, but that he described realities in a language artificially adapted to y^e sense of y^e vulgar. Thus when he speaks of two great lights, I suppose he means their apparent not real greatness. So when he tells us God placed these lights in y^e firmament, he speaks, I suppose, of their apparent, not real place, his business being not to correct the vulgar notions in matters philosophical, but to adapt a description of the creation as handsomely as he could to y^e sense and capacity of y^e vulgar. . . ."

" . . . One may suppose that all y^e planets about o^r sun were created together . . . that they all, and y^e sun too, had at first one common chaos. That this chaos, by y^e spirit of God moving upon it became separated into several parcels, each parcel for a planet. That at y^e same time y^e matter of y^e sun also separated from the rest, and upon y^e separation began to shine before it was formed into that compact and well defined body we now see it. . . . Moses here sets down their creation as if he had then lived, and were now describing what he saw. Omit them [sun, moon and stars] he could not without rendering his description of the creation imperfect in y^e judgment of y^e vulgar. To describe them distinctly as they were in themselves, would have made y^e narration tedious and confused, amused y^e vulgar, and become a philosopher more than a prophet. . . . For Moses, accommodating his words to y^e gross conceptions of y^e vulgar describes things much after y^e manner as one of y^e vulgar would have been inclined to do. . . ."

[Printed in *Brewster II*, 447-454]

With a long A.L.S. FROM BURNET TO NEWTON, to which the above is Newton's Reply, 7 pp. folio, 13 Jan. 1680/81. In this letter Burnet acknowledges receipt of a letter from Newton dated "Dec. 24th" which is not now known to exist.

- 158 NEWTON (SIR ISAAC) AUTOGRAPH DRAFT OF A LETTER TO JOHN FLAMSTEED, *closely written on 4 pp. folio*
undated [April 1681]

** AN IMPORTANT LETTER on Flamsteed's speculations respecting the sun, the action of heated magnets, and the motion of comets. Printed in *Brewster II*, 455-458.

- 159 NEWTON (SIR ISAAC) DRAFT OF A TESTIMONIAL IN FAVOUR OF EDWARD PAGET as "a person fit to be entrusted with the charge of teaching Navigation to the Boys of the Kings late foundation" [Christ's Hospital], 1 p. folio, signed: "Is. Newton Prof. Math. Lucas." HOLOGRAPH
Cambridge, Apr. 3rd, 1682

** Printed as a letter from Newton to John Flamsteed in T. L. More's *Isaac Newton*, 1934, p. 242. Paget has his own small title to fame as the man who carried the demonstration of the Law of Gravitation from Newton in Cambridge to Halley in London in Nov. 1684.

- 160 NEWTON (SIR ISAAC) Draft of part of a letter [probably to Charles Montague, later Lord Halifax, about the mastership of the Charterhouse] "... I believe yo^r notions and mine are very different. . . For by y^e information I have had of it, its but £200 per an besides a Coach (wch I reecon not) and lodgings: the competition is hazardous, and I am loath to sing a new song to y^e tune of Kings College; and the confinement to y^e London air and a formal way of life is what I am not fond of. . ." $\frac{1}{2}$ p. folio [c. 1691]; and a draft of another letter (signed) to "S^r Alexander," concerning a dispensation which the College authorities were unwilling to grant, $\frac{1}{2}$ p. folio, with *Theological Notes and a sketch map of Mesopotamia and Syria on reverse*, ALL AUTOGRAPH (2)

- 161 NEWTON. DRAFT OF A LETTER [in Latin] probably to one of the Editors of the *Acta Eruditorum*, referring to a presentation copy of the *Principia* which had gone astray:—

"Intellexi tantum ex amico tuo te exemplar meo nomine accepisse & credidi Daum. Halleium qui librum meum edidit & gratitudinis ergo exemplaria plura inter amicos meos meo nomine distribuit exemplar illud ad te misisse . . . jam vero sentio injuriam tibi factam esse. . ."

about 300 words, 1 p. folio AUTOGRAPH

[? 1692]

- 162 NEWTON. TWO AUTOGRAPH DRAFTS OF A LETTER TO AN UN-NAMED PERSON CONCERNING HIS PARLIAMENTARY CANDIDATURE, *on 1 p. folio and a scrap* [? 1701]

"I wrote lately to Mr. Vice chancellour that by reason of my present occupations here I could very ill come down to y^e University to visit my friends in order to be chosen your Burgess. I would have it understood that I do not refuse to serve you (I would not be so ungratefull to my Alma Mater to whom I owe my education nor so disobliging to my friends) but by reason of my business I desist from solliciting. . . . Now I have served you in this Parliament other Gentlemen may expect their turn in the next. . . ."

Printed in *Brewster* II, 215, where it is ascribed to 1705, but Mr. More points out that the phrase quoted at the end of the above extract cannot possibly refer to the 1705 election

- 163 NEWTON. DRAFT OF A LETTER [in Latin] to an un-named person acknowledging the receipt of two books, and SENDING A COPY OF THE "OPTICS"

"Hyeme praeterita librum de rebus Opticis & origine colorum olim scriptum in lucem edidi cujus exemplar ad te mitto. . . . Utinam tanto Judici non displiceant."

$\frac{1}{2}$ p. 4to AUTOGRAPH

VII Kal. Jun [26 May] 1704

- 164 NEWTON. AUTOGRAPH DRAFT of part of a letter [probably to Francis Godolphin and referring to the 1705 election] *on a scrap* [? 1705]

". . . I may now say further that o^r college has been more hearty and zealous for you than yo^rs has been for me and y^t I have done more for you then you have done for either me or yo^r self."

- 165 NEWTON. DRAFT OF A LETTER recommending William Jones as "well qualified for teaching Navigation to ye Boys in the School of the Royal Foundation in Christ's Hospital," *signed*, 7 Jan. 1708/9; Theological Notes, *in all about 1250 words on 4 pp. (a double folio sheet)* AUTOGRAPH

- 166 NEWTON. Early copies (*not autograph*) of 38 Letters from Newton to Roger Cotes written during the preparation of the Second Edition of the "Principia," [printed in Edleston's *Correspondence*, 1850] *on 47 pp. folio* [11 Oct. 1709 - 31 Mar. 1713]

- 167 NEWTON (SIR ISAAC) Copy of a letter from John Bernoulli to Remond de Monmort concerning a problem on Trajectories; at the end is THE PROBLEM AND THE DIAGRAM IN NEWTON'S HAND, $1\frac{1}{2}$ pp. 4to, 8 April 1717 [printed in *Brewster II*, 436-439]—A.L.S. from Remond de Monmort [in bad English] to Newton concerning the Problem, how Monmort had asked Brook Taylor to present it to Newton, etc. 5 pp. 4to [Paris] 27 Mar. 1718—Copy of a letter from Monmort to Brook Taylor, 18 Dec. 1718 [*Brewster II*, 511-515] (3)

- 168 NEWTON. Autograph extracts from a letter from Brook Taylor to Innys concerning Ricatti and another person who had undertaken to write against Newton's "Optics," 12 Aug. 1718; also from letters from Ricatti and de Monmort on the same subject, on 2 pp. folio; Autograph Draft of part of a letter to Daguesseau on Bernoulli's letter, complaining of being called "*eques errationis*," on a scrap (3)

- 169 NEWTON. DRAFT OF A LETTER [in Latin] to Nicholas Tron, concerning a book "de re Herbaria," signed, 17 May, 1718; THEOLOGICAL NOTES, and a short note concerning the INVENTION OF THE CALCULUS, concluding:

"And for a moment of time I put the letter o and thence computed the moments of other quantities generated in the moment of time."

written on both sides of a folio sheet, ALL AUTOGRAPH

- 170 NEWTON. DRAFT OF A STATEMENT:

"I have considered the Tickets of Brass and copper invented by Mr. Orlebar for expediting the payment of Seamen, and believe that after they are once made it will be much more difficult to counterfeit them then it is to counterfeit Tickets of Paper. . . ."

AUTOGRAPH, signed, dated 16 May 1720; on the reverse:—

DRAFT OF A LETTER to "Cosin John Newton":

"I understood that Tho. Hubart is not willing to stand to his bargain by w^{ch} I was to allow him tenn pounds for his mannure and he agreed with you to leave his Farm at Lady Day. . . ."

AUTOGRAPH, on a quarter-leaf folio

- 171 NEWTON. TWO DRAFTS (*one signed*) of a letter from Newton to the Provost of Edinburgh referring to Colin Maclaurin :

"To satisfy you that I do not flatter him, and also to encourage him to accept of the place of assisting Mr. Gregory [Professor of Mathematics at Edinburgh] in order to succeed him, I am ready (if you please to give me leave) to contribute twenty pounds per annum towards a provision for him, till Mr. Gregory's place becomes void, if I live so long. . . ."

1 p. (*and a few lines overleaf*) sm. 4to, AUTOGRAPH [1725] [Printed in T. L. More's *Isaac Newton*, 1934, p. 658.] With an A.L.S. FROM MACLAURIN thanking Newton for his interest and discussing a mathematical problem, 3 pp. 4to (*slightly defective in folds*) Edinb. 25 Oct. 1725

** Maclaurin's "*Account of Sir Isaac Newton's Philosophical Discoveries*," published in 1748, is said to be still the best survey of the *Principia*.

- 172 NEWTON. DRAFT OF A LETTER [in Latin, ? to John Lacy] discussing a problem in solid geometry, *about 400 words, signed*; Notes on Greek and Roman History and Chronology, *about 2000 words, the whole on 8 pp. (a folio sheet folded in four)* AUTOGRAPH

- 173 NEWTON. DRAFT OF A SHORT LETTER TO "MR. CAWOOD" :—

"I have not yet been able to strike such a meridian line as we were speaking of, but can do it at any time by a magnetical needle. . . ."

Draft of part of another letter :—

" . . . Mr. Tompson is upon marrying my neice Mrs. Smith, and I desire to have her accounts stated in order to a marriage settlement. . . ."

with notes, evidently of payments, on the back :—

"Fatio 30. Neice Smith 25. Landlady 21. Cook 8. Tankard 12½," etc.

on 2 scraps, AUTOGRAPH

(2)

- 174 NEWTON. DRAFT OF A LETTER, *signed initials* [to one of the Editors of the *Acta Eruditorum*] assuring him that he (the correspondent) is still a Fellow of the Royal Society despite his accidental omission from the list of Fellows; begins:—

“Its now about fifty years since I began for the sake of a quiet life to decline correspondencies by Letters about Mathematical and Philosophical matters finding them tend to disputes and controversies.
...”

Interesting, because this was precisely the grievance of his opponents whose letters of criticism remained unanswered. This dislike of controversy over his own works was a remarkable trait in Newton's character, and was undoubtedly one of the reasons why he refrained from publishing his theological writings. $\frac{1}{2}$ p. folio, AUTOGRAPH undated





SECOND DAY'S SALE.

Tuesday, July 14th, 1936.

SECTION IV.

PERSONAL.

Lot 175.



BARTON (CATHERINE) NEWTON'S NIECE. Certificate of her marriage to John Conduitt, *on vellum*, 26 Aug. 1717; Her Marriage Settlement, *on 8 large sheets of vellum*, 7 Sept. 1722; Her Will, 4 pp. *folio* (paper), 9 July, 1717

- 176 BARTON (CATHERINE) A.L.S. to Newton, concerning "the French Ladys friend" who "desired till the latter end of this weeke to look for a lodging . . . I desire to know whether you would have me wait here . . . or come home . . . Your Obedient Neece and Humble Servt. C. Barton," 1 p. 4to (*soiled*) "*Thursday Morning*," *no year*; the reverse and address sheet containing Theological Notes and Arithmetical Calculations in the hand of Newton; and an Extract from a letter to John Chamberlayne from Fontenelle, concerning the invention of the Calculus [5 July 1717] in Catherine Barton's hand, 2 pp. 8vo (2)

- 177 COLLECTION OF PAPERS RELATING TO NEWTON'S PEDIGREE, comprising:—

(1) Copy of an Affidavit drawn up for the College of Heralds:

"Sr Isaac Newton of St. James's Parish in the County of Midds. Knight and Master and Worker of her Majesties Mint voluntarily maketh oath that this deponent hath a Deed of Feofment of John Newton who was as he hath reason to believe his great grandfathers father dated the 19th day of December in y^e 4th year of Queen Elizabeth in y^e year 1562. . . ." Followed by an account of his descent, dated "— day of November Anno Dni 1705."

closely written on 1½ pp. folio, AUTOGRAPH

Lot 177 continued.

(2) Draft of the above (in the hand of Peter Le Neve, Norroy King-at-Arms) *with a few autograph additions*, 2 pp. sm. 4to

(3) Draft of an Affidavit (in the hand of Peter Le Neve) made by Sr. John Newton of Thorp in the parish of Hather in the County of Lincoln Bart . . .

" . . . that this deponent hath heard his father Sr John Newton baronet aged about seventy and — years at the time of his death speak of Isaac Newton Master of Arts and fellow of Trinity Colledge in Cambridge now Sr Isaac Newton Knight . . . as of his relation and kinsman . . . that the said Sr Isaac hath been always reckoned by him [the deponent] of the same name and blood with his family. . . ." Dated " this — day of November in the year 1705."

1 p. sm. 4to.

(4) Copy (in the hand of Peter Le Neve) of two visitations, c. 1634 and 1666, relating to Newton's pedigree, 2 pp. sm. 4to, 10 May 1705

(5) A.L.s. from Peter Le Neve to Newton :

" I have herewith returned the coppys of the two affidavits which when settled if you please to reconvey to me I will engross them on stampd paper and send them back for Sr John and yourself to be sworne to . . . there will be a necessity for a crest to be assigned to you for that of Sir John Newton you can have no right to . . ."

2 pp. sm. 4to

(6) A.L.s. from Peter Le Neve to Newton :

" The office on thursday last receivd your desires very kindly, and ordered the proofs to be examined by some proper persons who are to report their opinions to the next chapter. . . ."

1 p. 8vo, 24 Nov. 1705

(7) DRAFT OF NEWTON'S PEDIGREE, 1 p. folio, and other Drafts, Notes, Extracts, etc. relating to his descent, on 7 pp. folio, 4 pp. 4to, and 6 smaller pieces of paper, ALL AUTOGRAPH

(8) Copy of Newton's Pedigree (attested Nov. 1705) *not in Newton's hand*, 2 pp. folio

THE FATHER FRANCIS AFFAIR.

A Collection of papers relating to the dispute of James II with the Universities, and particularly to the Father Francis Affair.

On 9 Feb. 1687 the University of Cambridg was commanded by James II to admit a Benedictine, Alban Francis, to the degree of Master of Arts without administering the oaths. The University refused and came into open conflict with the King. On 9 April 1687 the Vice-Chancellor and Senate received a summons to appear before the Lords Commissioners "to answer such things as should be

objected against them in His Majesties behalf." The Senate then drew up an outline of their defence and appointed the Vice Chancellor (Dr. Pechell, Master of Magdalene) and eight Fellows, of whom Newton was one, to represent them in the Council Chamber. Pechell was sentenced to be deprived of the Vice-Chancellorship and to be suspended from the Mastership of his College during his Majesty's pleasure, but Newton and the other deputies were dismissed with merely a warning by Lord Jeffreys against future disobedience. For a full account of this affair and of Newton's part in it, see L. T. More's *Isaac Newton*, 1934.

- 178 ACCOUNT OF Y^E CAMBRIDGE CASE & ALL Y^E PROCEEDINGS THEREIN, *about 6000 words, 16 pp.* AUTOGRAPH *folio*
- 179 ACT concerning the severall Corporations of the Universities of Oxford & Cambridge & the Confirmation of the Charters Liberties & Priviledges granted to either of them [Eliz 13] *about 1800 words, on 8 pp. folio*, AUTOGRAPH
- 180 ANSWER OF Y^E VICE CHANCELLOR & SENATE of y^e University of Cambridge to y^e Question, why they did not Admitt Alban Francis to y^e Degree of Master of Arts in y^e same University according to his Mat^s. Mandatory Letters under his Signe Manual, *about 800 words, 3 pp.* AUTOGRAPH *folio*
- 181 ANSWER TO SOME QUESTIONS propounded by y^e Lord Ch. at y^e Appearance of y^e Vice Ch. & Deputies of y^e Senate of y^e University of Camb. before y^e Lords Commissioners May 7th 1687, FIVE AUTOGRAPH DRAFTS, *about 4500 words, on 14 pp.* *folio*
- 182 ANSWER OF Y^E FELLOWS OF ST. MARY MAGDALEN COLLEDG [Oxford] . . . to y^e Question why they did not elect & admit Mr. Anthony Farmer to be President of ye same Colledg, 2 COPIES, *showing variations, about 2000 words*; Account of Dr Henry Fairfax's appearance before Lord Jefferys, 13 June 1687, and "Piece of a Letter to y^e E. of Sunderland," *in all 6 pp.* ALL AUTOGRAPH *folio*
- 183 CASE OF KINGS COLLEGE, *about 850 words, on 4 pp. folio*, AUTOGRAPH

- 184 CASE OF YE B^{ps}. COURTS; DRAFT OF A PAPER beginning "His Mat^{ties} promise is no argum^t for abrogating y^e laws"; "RULES" RESPECTING ACTS FOR LIBERTY OF CONSCIENCE, &c.; and EXTRACTS FROM THE DECRETALS, &c., *in all about 1100 words, on 5 pp.* AUTOGRAPH *folio*
- 185 COPY OF A LETTER, beginning "Sr, Here's a strong report in y^e Town y^t a Mandamus has been brought to y^e Vice-chancell^r to admit one F. Francis a Benedictine Monck to be a Master of Arts . . ." dated Feb. y^e 19th [1687] *unsigned (edges frayed and a few words defective), 1½ pp.* AUTOGRAPH *folio*
- ** Authorship ascribed to Newton by L. T. More, and first printed in his *Isaac Newton*, 1934, pp. 343-4.
- 186 FULLER. Extract from Fuller's "History of the University of Cambridge" regarding Edward IV and King's College, *about 100 words, on 1 p. folio*, AUTOGRAPH
- 187 NOTES UPON Y^E DISPENSING POWER, *about 800 words, 3 pp.* AUTOGRAPH, WITH MANY ALTERATIONS AND RE-WRITINGS *folio*
- 188 [PETITION OF THE SEVEN BISHOPS] 3 COPIES, 3 pp. AUTOGRAPH *folio*
- 189 REASONS FOR SUBSCRIBING Y^E OXFORD ADDRESS by y^e Clergy of y^t Diocese, *about 500 words, 2 pp.* AUTOGRAPH *folio*
- 190 [ROYAL COMMISSION OF JAMES II for a search and examination into the Statutes of the Universities, Cathedral bodies, Grammar Schools, etc.] *about 1500 words, 4 pp.* AUTOGRAPH *folio*
- 191 SENTENCE OF THE DEPOSITION OF THE VICE-CHANCELLOR, Dr. Pechell, 7 May, 1687 (*a copy, not in Newton's hand*), 1 p. *folio*
- 192 TRANSCRIPTS of Acts and other Papers relating to the Privileges of the Colleges, etc. (*not in Newton's hand*) (*a parcel*)
-

193 MEAD (RICHARD) A.L.S. to John Conduitt

" . . . Mr. Cheselden has waited on S^r Isaac and examined into the complaint which made him suspect a Fistula ; he finds nothing but a little Relaxation of the inward coat of the Gut, of no consequence ; and he has therefore made our old Friend very easy in the matter. . . ."

1 p. 4to. Ormond Street, Aug. 11, 1726

** Richard Mead and William Cheselden attended Newton in his last illness. Cheselden was the inventor of the lateral operation for the stone, from which complaint Newton died on 20 Feb. 1727 in his 85th year.

194 NEWTON'S MOTHER. Memorandum, endorsed by Conduitt :
" Account of Sr. I. N.'s mother given me by Mrs. Hatton whose maiden name was Aiscough " 1 p. sm. 4to undated

** The authority for almost all that is known of Newton's mother, including the amusing story of her second courtship, and marriage to " Mr. Smith who gave her son Isaac [not then 2 years old] a parcell of Land, being one of the terms insisted upon by the widow if she married him."

195 NEWTON. Fragment of a letter to Newton from his mother, dated " wollstrup may the 6. 1665," containing also mathematical calculations by Newton, and on the reverse some elaborate measurements of eye structures—A.L.S. from his sister concerning the serious illness of her husband " . . . I am overwhelmed in sorrow and wish for you to comfort her that is your Loving Sister Han Barton," 1 p. sm. 4to " Ag y^e 24th 93 " with Theological notes by Newton on reverse and in margins—Fragment of a letter to Newton from his niece, signed : " Your most dutyfull neice and most obliged servant C. Conduitt." " Cranbury Nov. 16 1719 " 1 p. sm. 4to with notes by Newton in the margin and on the reverse calculations relating to coinage (3)

196 NEWTON, HIS NIECE AND LORD HALIFAX. DRAFTS, IN THE HAND OF NEWTON, OF DOCUMENTS RELATING TO THE LEGACY OF LORD HALIFAX TO CATHERINE BARTON, on 1 p. folio and 3 pp. 4to [? 1706-15]

(1) Draft, beginning : I do hereby assigne & transfer unto M^{rs} Catherine Barton the Neice of S^r Isaac Newton . . . all my right title & Interest in one Order for the yearly summ of two hundred pounds . . . dated the six and twentieth day of October one thousand seven hundred & six"

Lot 196 continued.

- (2) Two Drafts, *on one sheet*, referring to the Codicil to Halifax's Will and the transfer to Catherine Barton of the Annuity "purchased in S^r Isaac Newton's name which I [Halifax] hold for her in trust . . ." And a third Draft, written on the back of a letter addressed to Newton by Dr. Joseph Morland :

"I have done and will do my best while I live to follow your advice to repent and believe. . . Pray write me your opinion whether upon the whole I may dye with comfort. This can do you no harm written without your name . . ." [Printed in *Brewster II* 359]

- (3) Draft of alterations, apparently to an Agreement between Catherine Barton and the second Earl of Halifax concerning Bushey Park. On the reverse : a draft in the hand of Newton of a statement concerning Leibnitz and Miracles :

" . . . Leibnitz alters & enlarges the signification of these words, Miracles & Occult Qualities, he may make use of them in exploding (I do not say confuting) the philosophy of Mr. Newton so far as it related to the argument for proving a Deity from the Phenomena of nature. . . ."

- ** Catherine Barton came to keep house for Newton in 1698 or thereabouts. In 1706 (the date is conjectural, but the annuity was bought for her in this year) she went to live with Newton's friend and patron, Charles Montague, first Earl of Halifax, as "Superintendent of his domestic affairs," and remained in his house until his death in 1715, when she returned to Newton. Lord Halifax bequeathed her £5000, the Rangership and Lodge of Bushey Park, and various rents. There was widespread, though suppressed, scandal at the time, and Voltaire wrote maliciously "Le calcul infinitésimal et la gravitation ne lui auraient servi de rien sans une jolie nièce." (See also Mrs. Manley's *Memoirs of Europe*, where Halifax is disguised as "Julius Sergius" and Catherine Barton as "Bartica.") The episode has been investigated with painful concern by Newton's biographers, the latest of whom, Mr. L. T. More, concludes that the two were secretly married.

THE FAMOUS LOVE LETTER.

- 197 [NEWTON (SIR ISAAC) ?] COPY, IN THE HAND OF CONDUITT, OF A LETTER CONTAINING A PROPOSAL OF MARRIAGE, *headed by Conduitt* : "Copy of a letter to Lady Norris by —," and *endorsed in another hand* : "A Letter from Sir I. N. to —" 2 pp. *folio* *undated* [? c. 1703]

- ** This amusing love letter has greatly puzzled Newton's biographers. Brewster, after weighing all the evidence, decides reluctantly that it is a genuine letter sent by Newton

Lot 197 continued.

to Lady Norris (widowed for the third time on 10 Oct. 1702) but L. T. More suggests that it may be merely the copy of a letter received by Lady Norris from a fortune hunter and shown by her to Newton, with whom she is known to have been on terms of intimate friendship. Mr. More says that "the style of the letter is totally unlike that of his known correspondence." But Newton is not known to have employed his pen in this vein on any other occasion, and in the present letter the unimpassioned analysis, the lucid, logical exposition, and the inevitability of the solution are not unworthy of the author of the *Principia*.

"Madam, Your Laps great grief at the loss of Sr William shews that if he had returned safe home, Y^r L^{ap} could have been glad to have lived still with a husband and therefore your aversion at present from marrying again can proceed from nothing else than the memory of him whom you have lost. To be always thinking on the dead is to live a melancholy life among sepulchres, and how much grief is an enemy to your health is very manifest . . . and can Y^r L^{ap} resolve to spend the rest of your days in grief and sickness? Can you resolve to wear a widow's habit perpetually . . . which will be always putting you in mind of your last husband and thereby promote your grief and indisposition? . . . The proper remedy for all these mischiefs is a new husband. . . ."

198 NEWTON'S ESTATE. Documents relating to the settlement of Newton's Estate with special reference to his MSS. and Papers:—

- (1) Copy of an Agreement signed in the Prerogative Court by John Conduitt, Thomas Pilkington and Benjamin Smith, (undated):

" . . . That the papers and manuscripts be first perused by the parties and such as are Treatises be afterwards examined by D^r Pellet and printed if thought proper by him and the Adm^{rs} and sold to the best advantage and in the meane time to be lodged with Mrs. Conduitt. That Mr. Conduitt be obliged to pass the acct. with the Crown or indemnify the estate from the same within a month after the adminon be granted and take upon him the care and trouble of the tryal of the pix. In consideration of which he shall have such papers which shall not be thought proper to be printed. . . ."

- (2) Copy [in Conduitt's hand] of the Bond given by Conduitt in relation to Newton's Papers:

"Whereas Sir Isaac Newton lately deceased died intestate leaving four nephews and four nieces having equal claim to administration, and several disputes and difficulties having arisen amongst them with relation to the person to be pitched upon to have administration and likewise with his papers and writings and the making up of his accounts it was at last agreed 'That the administration should be granted to Thomas Pilkington, Benjamin Smith and Catherine Conduitt'. . . ."

5 pp. folio, undated

Lot 198 continued.

(3) Copy of the Order of Court in Doctor's Commons relating to the Administration and the MSS. [3 April] 1727

(4) "A List of Papers and Manuscripts belonging to Sr Isaac Newton K^t deceased taken by the relations," [referred to in Conduitt's Bond] 4 *large folio pp.* containing certificates of examination signed by Thomas Pellet, 20, 21, 26 May, 1727; with another list taken 15-16 Oct. 1777 by W. Mann Godschall and Bishop Horsley, 9 *pp. folio*; Drafts of the same list, and "An Acc^t of Sir Isaac Newton's papers sent to the Rev^d Dr. Sikes to London," 1 *p. 4to*, 12 Nov. 1755

(5) "An Account [in Conduitt's hand] of the right and title John Conduitt his heirs and assigns have to the Manuscripts of Sir Isaac Newton and of the papers vouching the same," 5½ *pp. folio*

"When Sr Isaac Newton died he was indebted to the Crown £34,330. Mr. John Conduitt was the only person who could without difficulty make up and pass that account. Besides . . . Sr I. Newton's Adm^{rs} were to pass a trial of all the monies coined by Sr I. Newton from the 24 August 1724 to the time of his death, and unless he were acquitted by a jury of Goldsmiths at the trial of the Pix . . . his estate was subject to fine and ransom. . . ." [Goes on to describe the examination of the MSS. and the sale of the "Chronology" for £350; the "De Munde Systemate" for £31, etc.]

(5) Letter [to Conduitt] from Newton Smith (nephew of Newton) and three other relatives concerning the appointment of Administrators, 1 *p. folio* 1 April 1727

(6) Agreement [in Conduitt's hand] regarding the position of Newton Smith in the administration, and Conduitt's handling of the MSS. 3 *pp. folio*, 27 April 1727

(7) Draft of a Bond given by Conduitt, in connection with the Administration, May 1727

(8) Certificate from J. Oakley, Deputy Auditor, that Conduitt had indemnified the Estate from any demands of the Crown, 19 May 1727

(9) Certificate that Conduitt "hath been at the Trouble and paid the Charges, of passing the final Accompt of the late Sr Isaac Newton as Master and Worker of the Mint," signed by J. Oakley and 5 other Officials, 17 Jan. 1728/9

- 199 NEWTON. A.L.s. to Newton from E. Buswell [apparently a tenant] asking for time to pay a debt, 22 *June*, 1694, with DRAFT OF NEWTON'S REPLY on reverse :—

"If I could conveniently order my concerns so as to stay for y^e money . . . I would willingly do it: but my occasions are such as depend upon it this winter. It will be some inconvenience to me to stay till January but I had rather suffer a little then that you should be straitened. . . ."

followed by Notes on Alchemy, Mathematics, AUTOGRAPH
sm. 4to

- 200 NEWTON. A Letter from Henry Starkey, not addressed to Newton but evidently forwarded to him by someone who was trying to obtain preferment for him. It mentions among other "places" those of Master, Warden, and Controller of the Mint and the present occupants, "very good places and they make them as good as they please themselves . . ." 1 p. folio, 5 *May*, 1690

** Newton was not appointed to the Wardenship of the Mint until March 1696.

- 201 NEWTON. A LIST OF EXPENSES, beginning "Paid in part of Income to Dr. Babington [Senior Fellow of Trinity] 8. 0. 0," 1 p. 8vo, AUTOGRAPH [? 1667]

** In 1667 on being elected Minor Fellow of Trinity, Newton was assigned the "Spirtuall chamber," which Edleston conjectures was the ground room next the Chapel in the N.E. corner of the Great Court. The present list of expenses concerns the alteration and furnishing of a room and the following entries show that Edleston is probably correct :—

Paid for making a new cellar behind ye Chappel	3	5	2
For a door, bolts, and lock to y ^e cellar	0	10	0
Other entries include			
A stone roller in y ^e Garden besides y ^e frame	0	17	0
Two chairs w th arms 1 lb. 6 s	}	8	0 0 (sic)
Eight chairs w ^{thout} arms 4 lb.			
Ten Cushions 5 lb.			
Scritore	3	0	0
6 Russia leather chairs	15	0	
&c.			

With a receipted Bill for a bed and bedding, etc. supplied to Newton, 1 p. sm. 4to, 10 *Mar.* 1669 (*paid* 15 *June* 1670); and a Bill for Commons, etc.: 10: 00: 06 "out of w^{ch} deduct yo^r allowance for bread & beer 29 week and $\frac{1}{2}$," *receipted* 27 *Nov.* 1690 by "Geo Modd Senescall," 1 p. 8vo (3)

- 202 NEWTON. Receipts for Gifts made by Newton: £50 to Thomas Ayscough "towards ye enabling him to pay his Debts" 13 May 1720—£100 lent to Thomas Ayscough, with remission of the debt in Newton's hand, 3 Oct. 1720—16 Mar. 1722/3; £100 to John Clarke [probably the Apothecary with whom Newton lodged in Grantham], "a free gifte to my daughter Mary Clarke for augmenting her portion," 12 Aug. 1725—£10 to the Charity School in Cambridge, signed by W. Whiston, 30 Aug. 1709—£20 for "Carring on & towards finishing the new Chappell in Barrick Street in the parrish of St. James," 23 Feb. 1707/8—and three Begging Letters addressed to Newton, the reverse of each covered with THEOLOGICAL NOTES IN HIS HAND (9)

- 203 NEWTON. Release from Benjamin Smith to Newton, 3 pp. folio, 29 June 1720, and a Receipt signed by Benjamin Smith for Papers, etc. relating to his father's estate, 22 April, 1729 (2)

** Benjamin Smith was the son of Newton's half-brother, Benjamin Smith senior, who appointed Newton and three others "Supervisors" of his will until the son was 21. It was to Benjamin Smith, the son, a profligate clergyman, that Newton addressed letters of rebuke so scorching that, it is said, they were destroyed by another clergyman "for fear Newton's reputation might suffer if it were known that he was acquainted with such coarse language."

- 204 NEWTON. Bond, signed by Newton (*but part of signature missing*) of £500 paid by Newton for Ralph Ayscough, 26 June, 1716—Copy of a Release from Newton to Sir William Willys and William Sloper [concerning an Estate apparently bought by Newton for his nephews and niece, Newton, Catherine and Robert Barton, and Joannah Gardner] 15 Mar. 1726

- 205 Newton. "Extracts from the Journal Books of the Royal Society relating [to] the late Sr. Isaac Newton," MS. in the hand of William Ruttie, Secretary to the R.S., and an A.L.s. [to Conduitt] 16 Feb. 1728, together about 7 pp. folio—Chronological Table of Newton's Life at Cambridge, MS. on 2 pp. 4to (2)

- 206 NEWTON. DOCUMENT ON VELLUM. AN OBLIGATION CONCERNING HIS OFFICE AS MASTER & WORKER OF THE MINT :—

" . . . that the said Isaac Newton his heires . . . shall make satisfaction to the Kings Matie his heires and successors and to the merchants respectively of all that belongeth to them of the Gold and Silver we^{ch} hee or they shall receive by reason of the said office . . . and also if the said Isaac Newton doe well and truly behave himself in the said office so long as hee shall continue in the same that then this present obligation shall be void or else the same shall stand and remain in full force and virtue."

signed by Thomas Hall (*seal missing*)

22 Jan. 1700

- 207 NEWTON FAMILY. Exchequer Receipt for £50 (six months Annuity) signed by Sir John Newton, kinsman of Sir Isaac and head of the family, 16 July 1713—A.L.s. from Catherine Newton to her sister "Mrs. Newton att Thorpe neare Grantham," 1½ pp. and address sheet, sm. 4to, 22 Feb. (*no year*)—A.L.s. to Sir John Newton from his mother, Lady Mary Newton, speaking of family troubles, etc., "Pray burn this when y^u have red what y^u can," 2 pp. sm. 4to, 28 Oct. [1707]—Genealogical Memoranda relating to the Family of Newton, 4to, wrappers, *Privately Printed*, 1871, etc.
(*a small parcel*)

- 208 NEWTON FAMILY. Marriage Articles between Robert Barton and Hannah Smith [Newton's half-sister and mother of Catherine Barton] signed by Robert Barton, Matthew Johnson, Thomas Pilkington, Ben Smith, Sir Isaac Newton, and Hannah Smith, vellum, 20 Dec. 1677, and 2 other documents relating to the Family (3)

- 209 NOTE BOOK, 26 LL. WITH ENTRIES COVERING 50 PP. ENTIRELY IN THE HANDWRITING OF SIR ISAAC NEWTON, *original leather*, 2 clasps [3¾ in. by 2¾ in.] (*see Brewster I*, 17-18)
19 Mar. 1659—[1661, etc.]

** Inscription on page 1: "Quisquis in hunc librum teneros coniecit ocellos. Nomen subscriptum perlegat ipse meum. Isaac Newton. Martii i9 1659." Pages 3-38 occupied by Notes on Prosody [in Latin] headed: "Utilissimum Prosodiae Supplementum," followed by 13 pp. of Personal Expenses, [in English] headed: "Impensa propria."

This Note Book was begun while Sir Isaac Newton was preparing for Cambridge. He matriculated at Trinity College on 5 June 1661, and the first entries in the "Impensa propria," relate to his journey there, e.g., at Stilton he spent 2 shillings, at "Cambridg white lion," 2s. 6d.; "Cariage to y^e Colledge" 8d., followed by purchases

Lot 209 continued.

of various personal articles: "A table to set downe ye number of my cloathes in the wash"; "A quarte bottle and ink to fill it"; "A chess board"; "Chesse Men, Diall"; various articles of clothing, etc. One page is headed "Otiose et frustra expensa" and includes "Bottle beere"; "China Ale"; "Marmolet"; "Custords"; "Cherries" "Tarte," etc.

It is not known which room Newton occupied in College, but the following entries show that at first he shared a room and that later he moved to another room. (See also the letter from N. Wickens, Lot. 221.)

Income from a Glasse and other things to my chamberfellow	0	0	9
To a porter when I removed to another chamber...	0	1	0
Tongues, fire shovel, Bellows	0	2	6
2 Spooones	0	0	3
A lock to my study	0	1	8
Glasier	0	0	5
Mending a lock and making a key	0	0	9
Shelves	0	3	0
My new Woman	0	0	10

[See ILLUSTRATIONS.]

- 210 NOTE-BOOK, 118 LL. WITH ENTRIES ON 34 PP. ENTIRELY IN THE HANDWRITING OF SIR ISAAC NEWTON, *original calf* [$4\frac{3}{4}$ in. by $2\frac{3}{4}$ in.] (see *Brewster I*, 31-33) 1662-69

** Inscription on fly-leaf: "Isaac Newton, pret. 8d."

Begins with shorthand notes on 3 pp. dated 1662, followed by a list of Expenses, dated from 23 May 1665 to April 1669 (about 140 entries), on 7 pp.

The Expenses are of great interest, e.g. :—

1667: Lath and Table	0	15	0
Iron worke for it	0	9	0
Drills, Gravers, a Hone and Hammer and a Mandrill	0	5	0
A Magnet	0	16	0
Compasses... ..	0	3	6
Glass bubbles	0	4	0
At ye Tavern severall other times, etc.	1	0	0
Spent on my Couz Ayscough	0	12	6
Philosophicall Intelligences	0	9	6
Ye History of y ^e Royall Soc.	0	7	0
Gunter's Book and sector, etc. to D ^r Fox	0	5	0
For a Fellows key	0	1	0
For keeping Christmas	0	5	0
Lost at cards at twice	0	15	0
For my degree to ye Colledg	5	10	0
For 3 Prisms	0	3	0
Bacon's Miscelanys	0	1	6
Reading Greeke	0	5	10
A bible binding	0	3	0
18 yards of Tammy for my M ^r of Arts Goune ...	1	13	0

Lot 210 continued.

Lining	0	3	6
For oranges for my Sister	0	4	2
Taverne	0	10	0
My part of A Coach	0	14	0
Bowling Green	0	10	0
1669: For Glasses in Cambridge	0	14	0
For Glasses at London	0	15	0
For Aqua Fortis, sublimate, oyle, perle, fine Silver, Antimony, vinegar, Spirit of Wine, White Lead, Allom, Niter, Tartar, Salt of Tartar	2	0	0
A Furnace	0	8	0
Joyner	0	6	0
Theatrum Chemicum	1	8	0
etc., etc.			

The other end of the book begins with "Nova Cubi Hebraei Tabella" on 1 page, followed by various PROBLEMS IN GEOMETRY AND THE CONIC SECTIONS (Ellipsis, Parabola, Hyperbole, etc.) on 24 pp. with diagrams

A VERY IMPORTANT NOTE-BOOK, which Sir David Brewster says "has obviously been preserved by Newton himself as evidence of the priority of some of his researches."

[See ILLUSTRATION.]

SECTION V.

CONDUITT'S MEMOIRS.

A SERIES OF LETTERS OF GREAT BIOGRAPHICAL IMPORTANCE MOSTLY ADDRESSED TO JOHN CONDUITT BY VARIOUS PEOPLE IN REPLY TO HIS REQUESTS FOR REMINISCENCES OF SIR ISAAC NEWTON

212 CONDUITT (JOHN) AUTOGRAPH DRAFTS OF PORTIONS OF JOHN CONDUITT'S INTENDED LIFE OF NEWTON. A MOST IMPORTANT COLLECTION OF PAPERS, CONSTANTLY QUOTED BY NEWTON'S BIOGRAPHERS AND THE MAIN SOURCE OF OUR KNOWLEDGE OF HIS LIFE AND CHARACTER, comprising:—

- (1) "An account of the State of Philosophy in general when Sr Isaac Newton first appeared," [Notes] 4 drafts (one torn in two) on 8 pp. folio.
- (2) [Account of Newton's Life to the time of his going to Cambridge], (with passages in pencil) on 36 pp. folio.
- (3) An earlier Draft of the preceding (with passages in pencil) on 42 pp. folio.
- (4) [Account of Newton's Life and Work at Cambridge] on 16 pp. folio.

Lot 212 continued.

- (5) "Miscellanea" [a collection of Anecdotes about Newton, mostly collected from his friends] 17 pp. folio (the last 3 pp. defective).
- (6) Four small pocket books, containing Anecdotes of Newton written in pencil [in two books the writing has faded and is illegible, but the material appears to have been incorporated in (5).]
- (7) [Newton's Character] on 18 pp. folio (a small portion of text missing from each leaf).
- (8) [Newton's love and gratitude to his mother] 2 drafts (one headed: "This to come into his private character") on 4 pp. folio
- (9) [Newton's Manual Dexterity, etc.] on 8 pp. folio.
- (10) [Anecdotes of Newton] headed "31 of Aug. 1726" and beginning: "Sr I. N. told me that he had been told that when he was born he was so little they could put him into a quart pot," on 4 pp. folio and 4 pp. 4to.
- (11) [Account of a conversation between Newton and Conduitt on 7 March 1724/5, mainly about Comets] on 2 pp. folio.
- (12) [Extracts from Newton's Note Books, relating to his discovery of the method of infinite series, and the computation of the area of a hyperbola, etc.] 2 pp. folio.
- (13) [Note on Newton's dispute with Hook] on 4 pp. 4to.
- (14) A curious note to the effect that if Newton had lived in past ages he would have had a better claim to Deification, or at least, to Canonization, than those who have achieved these honours: "His vertues proved him a Saint and his discoveries might well pass for miracles." 2 pp. 4to.
- (15) A Fragment containing notes for an account of Newton's last illness and death; also references to anecdotes, on $1\frac{1}{2}$ pp. folio.
- (16) Note on Newton's unpromising infancy [with a Eulogy of Alexander Pope] 1 p. folio.
- (17) Sketch of a Preface to the intended Life, on 4 pp. folio

- 213 CONDUITT (JOHN) THE MEMOIR OF NEWTON SENT TO FONTENELLE FOR HIS "ELOGE DE MONSIEUR LE CHEVALIER NEWTON," PARIS, 1728, WITH VARIOUS DRAFTS, AND THE CORRESPONDENCE BETWEEN CONDUITT AND FONTENELLE RELATING TO THE "ELOGE"

Lot 213 continued.

- (1) The Memoir in English, in the hand of Conduitt, with many alterations, and some additions in the hand of Catherine Conduitt (Née Barton, Newton's niece), 31 pp. *folio*

- (2) Drafts of various sections of the Memoir in English, in the hand of Conduitt, *partly in pencil, on 20 pp. folio*

- (3) The Memoir translated into French, with some revisions, on 27 pp. *folio*

- (4) Three drafts of a letter from Conduitt to Fontenelle

" . . . Je prens la liberté de vous faire savoir que nous perdîmes ce grand homme le 20^{ème} du courant. Heureusement pour sa memoire il tombera sur vous de faire l'éloge. . . "

4 pp. 4to and 1 p. *folio*

27 March 1727

- (5) A.L.s. from Fontenelle to Conduitt

" . . . Je vous suis très obligé du secours que vous m'offres si genereusement pour le tribut que je suis obligé de rendre à sa memoire. . . "

3 pp. 4to

Paris. 14 April 1727

- (6) Auto. Draft of a letter from Conduitt to Fontenelle:

" Voici enfin les memoires que je vous ai promis si long tems. . . "

7 pp. *folio*

[about 21 July 1727]

- (7) Auto. draft of a letter from Conduitt to Fontenelle

" Je me fis l'honneur il y a dix jours de vous envoyer par la voye de S. Excellence Mon^r Walpole les memoires touchant M^r la Chevalier Newton. . . "

1 p. *folio*

31 July 1727

- (8) Auto. draft of a letter from Conduitt to Fontenelle, concerning the French translation of the Memoir.

" Je me suis mis a procurer la meilleure que j'ai pu, c'est celle que je vous envoie ici. . . "

3 pp. *folio*

5 Oct. 1727

- (9) A.L.s. from Fontenelle to Conduitt

" J'ai attendu a vous remercier de toutes vos peines et de tous vos soins, que je puis vous rendre conte de l'usage que j'en avois fait. Mercredi dernier 12 du mois on lut dans l'Assemblée publique de l'Academie des Sciences l'Eloge que j'ai fait de M. Newton sur les Memoires que vous avés en la bonté de m'envoyer. . . "

2 pp. sm. 4to

Paris 15 Nov. 1727

- (10) Auto. draft of a letter from Conduitt to Fontenelle

Lot 213 continued.

"L'Eloge de Mon^r Newton a deja fait grand bruit ici et a excité une grande attente. . . ."

1 p. folio

23 Nov. 1727

(11) Auto. draft of a letter from Conduitt to Fontenelle

"J'ai lu avec infiniment de plaisir les Eloges du [—] et de Mon^r Newton que vous avés la bonté de m'envoyer . . . vous recevés avec cette lettre le Chronologie de Mon^r Newton. . . ."

1½ pp. folio

1 Jan. 1727/8

(12) "The London Gazette," 1-4 April 1727 (No. 6569), *imperfect*, containing an account of the Funeral of Sir Isaac Newton on 28 March; and "Mist's Weekly Journal," 8 April, 1727 (No. 103) *imperfect*, containing a letter occasioned by the death of Newton, "the Glory of the British Nation."

- 214 CONDUITT (JOHN) Auto. Draft of a Letter, evidently a circular sent to friends of Newton when Conduitt was gathering materials for a Life, on 3 pp. folio, 6 Feb. 1727/8; Auto Draft of a letter [? to Robert Brown] giving directions to the painter for a "Monumental picture" of Newton, 8pp. folio, 4 June 1729—Swinny (Owen) A.L.s. to Conduitt concerning another "Monumental picture," with references to Canaletto: "a covetous greedy fellow and because he's in reputation people are glad to get anything and at his own price," 6½ pp. 4to. Milan, 7 July 1730—Three A.L.s. from F. de St. Vibain, regarding a bust of Newton, 6 pp. 4to. Nancy, 9 Jan., 12-16 Aug. 1730—Seven drafts, from different people, of a suggested Epitaph on Newton—Sketch for a Monument to Newton—Poem "On the Death of Sr Isaac Newton, (author unknown) 3 pp. 4to

- 215 [CRAIG (JOHN) Mathematician; Prebendary of Salisbury] A.L.s. "J.C." 2½ pp. folio, London, 7 April 1727

"According to your desire I here sent (sic) you a short account of the surprising discoveries and improvements, which the incomparable Sr Is. Newton has made in the most curious and abstruse parts of Natural Philosophy. You know Natural Philosophy had been turn'd into a philosophical Romance by the famous Des Cartes, and the world was so delighted with it, that they took it for a true and real account of Nature till Newton published his Mathematicall Principles.

[He then discusses Newton's discoveries and concludes with a reference to his Theological writings:]

"And this I know that he was much more solicitous in his inquiries into Religion than into Natural Philosophy; and that the reason of his showing the errors of Cartes' Philosophy, was because he thought it was made on purpose to be the foundation of infidelity. And Sir Is: Newton to make his inquiries into the Christian Religion the more successfull

Lot 215 continued.

had read the ancient writers and Ecclesiastical Historians with great exactnes, and had drawn up in writing great Collections out of both ; and, to show how earnest he was in Religion, he had written a long explication of remarkable parts of the Old and New Testament, while his understanding was in its greatest perfection, least the Infidells might pretend that his applying himself to the Study of Religion was the effect of Dotage. That he would not publish these writings in his own time because they show'd that his thoughts were some times different from those which are commonly receiv'd, which would ingage him in disputes, and this was a thing which he avoided as much as possible. But now its hop'd that the worthy and ingenious Mr. Conduitt will take care that they be publish'd that the world may see that Sr. Is: Newton was as good a Christian as he was a Mathematician and Philosopher."

** UNPUBLISHED, except for short extracts.

- 216 DERHAM (WILLIAM) Philosopher and Divine, and intimate friend of Newton), A.L.s. to John Conduitt containing "an Account, as far as my memory reaches of the most material Passages y^t occurred in my Conversation wth Sr. Is. Newton," 14 pp. sm. 4to, sewed, with a short covering letter
"Upminster 18. Jul: 1733."

** AN IMPORTANT LETTER, apparently unpublished, except for short extracts. It is the authority for the following story, about Newton's refusal of a bribe when Master of the Mint:—

[Speaking of numerous Petitions "in most of w^{ch} some person or other of Quality was concerned"] "an Agent of one had made him an offer of above £6,000 w^{ch} Sr Is. refusing on account of its being a Bribe ; the Agent said he saw no dishonesty in the acceptance of the Offer, and y^t Sr Is: understood not his own Interest. To w^{ch} Sr Is: replied y^t he knew well enough w^t was his Duty, and y^t no Bribes should corrupt him. The Agent then told him y^t he came from a great Dutchesse, and pleaded her Quality and Interest. To w^{ch} Sr Is: roughly answered, I desire you to tell the Lady, y^t if she was here herself, and had made me the Offer, I would have desired her to go out of my house, and so I desire you, or you shall be turned out."

- 217 MASON (THOMAS), Rector of Colsterworth, A.L.s. 2 pp. folio, Colsterworth, 23 Mar. 1726/7

"... This morning I recd from you y^e melancholy news of y^t truly great and good Gentleman's Death Sr Is: N: and I have according to y^r desire made Sr Isaac's Heir and Representative, who is y^e Bearer of y^s, acquainted wth it, but God knows a poor Representative of so great a man, but y^s is a case y^t often happens. . . . [He gives information he has been able to collect of Newton's early days, and adds a post-script:] Sr Isaac Newton in y^e Days of his Health and Prosperity used to talk pretty much ab't founding and endowing a School in Wools-thorpe for y^e use of y^e Parish as y^e neighbors and his Relations inform me. I myself never knew him but in his declining years, having been but six years Rector, but He used to talk wth me pretty much upon y^t subject, tho his dying without a will leaves no room for any such hopes."

- 218 MOIVRE (ABRAHAM DE): "MEMORANDUM [in Conduitt's handwriting] relating to Sr. Isaac Newton given me by Mr. De Moivre in Nov. 1727," 5½ pp. *folio*

** De Moivre was the commissioner appointed to arbitrate on the claims of Newton and Leibnitz to the invention of the infinitesimal calculus.

- 219 NEWTON (HUMPHREY, NEWTON'S AMANUENSIS) Two A.L.s. CONCERNING NEWTON, TO JOHN CONDUITT, 8 pp. *folio*
Grantham, 17 Jan.-14 Feb. 1727/8

** Humphrey Newton, who, so far as is known, was not related to his great namesake, was recommended to Newton as an assistant and amanuensis by Dr. Walker, Schoolmaster at Grantham. He served Newton in this capacity from 1685 to 1690, during which period the *Principia* was written and published.

These two letters give all the information about Newton during those five years that Humphrey (who was no Boswell) could remember years later. His light-hearted reminiscences have exasperated Newton's serious biographers. They do in fact contain even more of the "impertinent low stuff" than Stukeley's letters and are, for that reason, of extraordinary interest. They give a portrait of Newton, at the time of his greatest intellectual activity, as he appeared to an observant but unperceiving person. Humphrey seems to have spent five years in the closest contact with supreme genius without having become aware of the fact until long afterwards. Consequently when he sits down to write his reminiscences, the things he recalls most readily are picturesque details of his master's strange personal habits, his eating, drinking and sleeping, his absent-mindedness, his slovenly attire and other characteristics which are now an integral part of the Newton legend.

17 Jan. 1727/8: "... His [Newton's] carriage then was very meek, sedate and humble, never seemingly angry, of profound thought, his countenance mild, pleasant and comely. I cannot say I ever saw him laugh but once. ... I never knew him to take any recreation or pastime. ... thinking all hours lost y^t was not spent in his studyes, to w^{ch} he kept so close y^t he seldom left his chamber except at Term Time, when he read in y^e Schools as being Lucasianus Professor, where so few went to hear Him, and fewer y^t understood him, y^t oftentimes he did in a manner for want of Hearers, read to y^e walls. ... So intent, so serious upon his studies, y^t he eat very sparingly, nay oftentimes he has forgot to eat at all. ... He very rarely went to bed, till 2 or 3 of y^e clock, sometimes

Lot 219 continued.

not till 5 or 6, lying about 4 or 5 hours, especially at Spring and Fall of y^e Leaf, at wch times he us'd to imploy about 6 weeks in his Laboratory, the Fire scarcely going out either night or day, he siting up one Night as I did another, till he had finished his Chymical Experiments, in y^e Performance of wch he was y^e most accurate, strict, exact: What his aim might be I was not able to penetrate into, but his Pains, his Diligence, at these sett Times made me think he aimed at something beyond y^e Reach of humane Art and Industry. . . . He very rarely went to Dine in y^e Hall unless upon some Publick Dayes, and then, if He has not been minded, would go very carelessly, wth shooes down at Heels, Stockins unty'd, surplice on, and his Head scarcely combed. . . . Nothing extraordinary, as I can Remember, happen'd in making his experiments, wch if there did, He was of so sedate and even Temper, y^t I could not in y^e least discern it. He very seldom went to y^e Chappel, y^t being y^e Time he chiefly took his Repose; And as for y^e Afternoons, his earnest and indefatigable studies retain'd Him, so y^t He scarcely knew y^e House of Prayer. . . . He was only once disordered with Pains at y^e Stomach. . . . Wch he bore with a great deal of Patience and Magnanimity, seemingly indifferent either to live or dye. He seeing me much concern'd at his illness, bid me not trouble my self, for if, said he, I dye, I shall leave you an Estate. . . . Sr, This is w^t I can at present recollect. . . ."

- 14 Feb. 1727/8: ". . . Near his Laboratory was his Garden, wch was kept in Order by a Gardiner. I scarcely ever saw him do anything (as pruning, etc.) at it himself. When he has some times taken a Turn or two, has made a sudden stand, turn'd himself about, run up y^e stairs like another Alchimedes (sic) with an *ευρηκα*, fall to write on his desk standing, without giving himself the Leasure to draw a Chair to sit down on. At some seldom times when he design'd to dine in y^e Hall, would turn to y^e left hand, and go out into y^e Street, where making a stop, when he found his mistake, would hastily turn back, and then sometimes instead of going into y^e Hall, would return to his Chamber again. . . . In his Chamber he walk'd so very much, y^t you might have thought him to be educated at Athens among y^e Aristotelian Sects. His Brick Furnaces *p. re nata*, he made and alter'd himself wthout troubling a Brick-layer. . . . I can't say I ever saw him wear a Night-Gown, but his wearing Cloathes, that he put off at Night, at Night, do I say, yea rather towards y^e Morning, he put on again at his Rising. He never slept in y^e Day time, y^t I ever perceived. I believe he grudg'd y^t short time he spent in eating and sleeping. . . . As for his private Prayers, I can say nothing of them, I am apt to believe his intense Studies depriv'd him of y^e better Part. His Behaviour was mild and meek, without Anger, Peevishness or Passion. . . . In Winter Time he was a Lover of Apples, and sometimes at a Night would eat a small roasted Quince. His thoughts were his Books. . . . When he was about 30 years of Age, his gray Hairs was very comely and his smiling countenance made him so much y^e more graceful. He was very charitable. . . . Could y^r Hon^r pick some things out of this indigested Mass worthy to be inserted into y^e Life of so great, so good, and so illustrious a Person as Sr Isaac Newton! . . ."

- 220 STUKELY (WILLIAM, Antiquary and Physician and intimate friend of Newton), 6 A.L.s. to JOHN CONDUITT, 3 pp. 4to and 2 pp. folio; A.L.s. to RICHARD MEAD, WRITTEN AND DISPATCHED IN FOUR INSTALMENTS AND COVERING 13 CLOSELY WRITTEN FOLIO PAGES *Grantham 26 June-22 July 1727*

** EXTREMELY IMPORTANT. The letter addressed to Mead, containing, besides a pedigree and all the information Stukely could collect in Grantham and Colsterworth, a great fund of anecdote and reminiscence, is perhaps THE PRINCIPAL SOURCE OF OUR KNOWLEDGE OF NEWTON'S PERSONAL LIFE AND THE MAIN AUTHORITY FOR MANY OF THE BEST KNOWN STORIES TOLD ABOUT HIM. Although all biographers have been deeply indebted to the information it contains, the letter itself does not appear ever to have been printed in its entirety.

Accompanying the above is an A.L.s. from Richard Mead to Conduitt:—

"I designed to wait on you my selfe with Dr. Stukeley's Letters concerning Sr. Isaac Newton's Life, which I now send by the bearer; you will find a great deal of impertinent low stuff in 'em, but something, I believe, that may be to the purpose. . . ." 7 July 1727.

- 221 WICKINS (NICHOLAS) A.L.s. to Professor Robert Smith, concerning Newton, 3 pp. 4to *Stoke Edith, 16 Jan 1727/8*

** Nicholas Wickins was the son of John Wickins (d. 1719), Newton's chamberfellow at Trinity College.

"My Fathers first Chamber-fellow being very disagreeable to him he retired one day into y^e Walks, where he found Mr Newton solitary and dejected. Upon entering into discourse they found their cause of Retirement ye same and thereupon agreed to shake off their present disorderly Companions and Chum together, w^{ch} they did as soon as conveniently they could and so continued as long as my Father staid at College. . . ."

A very interesting letter, printed by *Brewster*, II, 88-90.

SECTION VI.

CHRONOLOGY.

- 222 CALENDAR. "CONSIDERATIONS ABOUT RECTIFYING THE JULIAN KALENDAR," Two Drafts, and a fair copy, 10 pp. folio; MEMORANDUM ON "THE ADVANTAGE OF THIS KALENDAR ABOVE Y^e GREGORIAN," $\frac{3}{4}$ pp. folio; Two Drafts of a Letter to the Bishop of Worcester on CALENDAR REFORM, 5 pp. folio; Draft of another letter concerning a paper on the Kalendar by Dr. Prideaux, sent to Newton by the Bishop of Worcester,

Lot 222 continued.

4 pp. folio; "THE USE OF THE KALENDAR FOR FINDING THE LORDS DAY AND MOVEABLE FEASTS," 2 pp. 4to; "REGULA PRO DETERMINATIONE PASCHALIS," a Draft and a fair copy, 5 pp. folio, various CALCULATIONS, NOTES, ETC., on 9 pp. folio and 1 p. 4to, in all about 9,000 words, ALL AUTOGRAPH

** The "Considerations" were probably written in 1699 (see *Brewster II*, 311).

"The best form of y^e solar year is to divide it by y^e 4 cardinal periods of y^e Equinoxes and Solstices into 4 quarters, so that y^e quarters of y^e yeare may begin at y^e Equinoxes and Solstices as they ought to do, and then to divide every quarter into 3 equal months w^{ch} will be done by making the six winter months to consist of 30 days each and y^e six summer months of 31 days each excepting one of ym (suppose y^e last) w^{ch} in y^e leap year shall have 31 days, in y^e other three years only 30 days. At y^e end of every hundred years omit the intercalary day in y^e leap year excepting at y^e end of every five hundred years. . . . And this I take to be the simplest and in all respects the best form of y^e civil year that can be thought of. . . ."

[See ILLUSTRATION.]

223 CHRONOLOGY [THE "SHORT CHRONICLE"] : SEVEN AUTOGRAPH DRAFTS OF NEWTON'S "REMARKS ON THE OBSERVATIONS MADE ON A CHRONOLOGICAL INDEX OF SIR ISAAC NEWTON, TRANSLATED INTO FRENCH BY THE OBSERVER, AND PUBLISHED AT PARIS" [printed in the *Philosophical Transactions of the Royal Society*, 1725, vol. 33, p. 315] in all about 7000 words, on 23 pp. folio with other AUTOGRAPH NOTES on the same subject, on 7 pp. sm. 4to

** Newton's "Short Chronicle from the First Memory of Things in Europe to the Conquest of Persia by Alexander the Great" was given in MS. by him to the Princess of Wales for her own personal use. He afterwards consented to a copy being made by the Abbé Conti but only on the understanding that it was to be kept strictly private. Conti, however, circulated it among his friends in Paris and it was published there under his editorship in 1725, with an appendix of critical "Observations" by Freret, a rival chronologist and Newton's enemy.

The "Remarks on the Observations" are a reply to Freret, and the Seven Drafts show what infinite pains Newton took in drawing up his defence.

- 224 CHRONOLOGY [THE "SHORT CHRONICLE"] TWO A.L.S. FROM G. CAVELIER TO NEWTON, ASKING PERMISSION TO PUBLISH THE "SHORT CHRONICLE," on 4 pp. 4to
Paris, 11 May 1724 and 20 Mar. 1725

(1) "Il m'est tombé en main un petit Manuscrit que l'on assure venir de vous, Monsieur, come votre est tres estimé par toute l'Europe j ay voulu le faire imprimer. . . ."

(2) "Il y a environ six mois que j'us l'honneur de vous marquer qu'il m'étoit tombé en main une copie de votre Chronologie. . . . Monsieur j ay l'honneur de vous écrire cette Seconde Lettre pour vous prier instamment de me marquer si vous ny voulez rien changer que si je ne reçois point de vos nouvelles je prendrais votre silence pour un consentement. . . ."

Newton did not reply to either of these letters and the "Abrégé de Chronologie" was published without his positive consent. Cavellier refers to the correspondence in his *Advertisement* to the Book

- 224A CHRONOLOGY ["THE CHRONOLOGY OF ANCIENT KINGDOMS AMENDED"] DRAFT, IN THE HAND OF JOHN CONDUITT, OF THE DEDICATION TO QUEEN CAROLINE, WITH AN A.L.S. SUBMITTING IT TO ALEXANDER POPE, AND POPE'S REPLY, CONTAINING CRITICISMS AND REVISIONS OF THE DEDICATION; with a Draft of the Dedication translated into French, and a Rough Proof of the printed Title, Dedication, etc.

** The "Chronology" was published by Conduitt after Newton's death. It was issued late in 1727, although the title is dated 1728.

- (1) Conduitt to Pope, a draft,

"The kind promise you made me at Mrs. Howards encourages me to trouble you with the enclosed. . . . If you will add to, diminish, or alter any part of it with the same freedom with which I have troubled you, you will highly oblige, etc. . . ."

- (2) The Dedication, in the hand of Conduitt, 8 pp. folio.

- (3) POPE TO CONDUITT, A SUPERB A.L.S.

" . . . I think nothing can be more proper than the first part of your Dedication, which relates to y^e author and the work: whatever thoughts flow from *that* or take rise from *that*, render your Complim^t to the Queen (in my opinion) the more graceful as well as y^e more just (and proper for you, as a Relation, and intrusted with so valuable a Depositum). As to what depends not on *That*, I would only wish, you avoided as much as possible, the Common Topicks of Dedications and Addresses: Your Real Subject (I mean both Sir Isaac Newton and her Majesty) will shine of themselves; and a Shortness, a Dignity, and Plainness, will become them. For instance, I cannot but think, y^t after y^u have said, that *S^r Isaac carryd Arts and Sciences in a few years farther than all others*

Lot 224A continued.

had in whole ages; it flattens, if not contradicts it, to add afterwards: y^e in the present Reign they may be advanc'd to a much greater heighth. I wd omit that paragraph, w^{ch} I have marked between two crosses X. It takes very much from y^e Praise of S^r I. N. and I fear unjustly, to imagine Any Princes Reign can Make Newtons, however it might *incourage*, or *admire* them. . . .

"I am sincerely of opinion that y^r Dedication is very just, and decent, and well judg'd. I wish it were Inlarged with some Memoirs and Character of him, as a private man. I doubt not his Life and Manners w^d make as Great a Discovery of Virtue, and Goodness, and Rectitude of Heart, as his Works have done of Penetration and y^e utmost Stretch of human knowledge. . . ." (The letter encloses some Revisions by Pope, including a NEW LAST PARAGRAPH WHICH CONDUITT DID NOT USE.)

5 pp. 4to

Twickenham, 10 Nov. 1727

[See ILLUSTRATION.]

- (4) French Translation of the Dedication [not in Conduitt's hand] *with many alterations*, 6 pp. folio
- (5) The "Chronology": Printers rough Proof of sheets "A" and "a," containing the title, Dedication (corrected in the hand of Conduitt), etc., 8 ll. 4to [1727] 1728

225 CHRONOLOGY. THE CHRONOLOGY OF ANCIENT KINGDOMS AMENDED. ORIGINAL AUTOGRAPH DRAFTS OF "CHAP. I OF THE CHRONOLOGY OF THE FIRST AGES OF THE GREEKS & LATINS"; "CHAP. I (*sic*) OF THE ASSYRIAN EMPIRE"; "CHAP. IV. OF THE BABYLONIAN EMPIRE"; "CHAP. [V] OF THE SYNAGOGUES OF THE JEWS," *about 30,000 words*, 98 pp. WITH ALTERATIONS AND RE-WRITINGS ON ALMOST EVERY PAGE folio

226 CHRONOLOGY. DRAFTS OF VARIOUS SECTIONS OF A LARGE WORK ON CHRONOLOGY, *on about 450 pp. (the sheets very confused and mostly un-numbered), and containing about 150,000 words*, AUTOGRAPH folio

Some of the sections are headed as follows:—

Chap. 1. Of the Kingdome of Egypt.

Chap. 2. The History and Chronology of the Persian Monarchy with respect to the Jews.

Chap. [—] Another draft of the same.

Chap. 2. The Chronology of the Books of Ezra and Nehemiah with respect to y^e Persian Monarchy.

Chap. 3. The Monarchy of Egypt at Thebes.

Chap. 7. (The same title, but different text).

Chap. 4. The Time of the Argonautic Expedition and Trojan War stated by the Records of the

Lot 226 continued.

Tyrians and Carthaginians, and by the reign of Sesostris.

Chap. 6. Of the Colonies of Ægyptians and Phœnicians who civilized the Greeks.

Chap. 8. The Monarchy of Egypt at Memphys.

Chap. [-.] The History and Chronology of the Babylonian Monarchy with respect to the Jews.

[Chap. -.] The Chonology of the Gospel.

227 APOCALYPSE [A TREATISE ON THE BOOK OF REVELATION IN ENGLISH], *incomplete*, WITH DRAFTS OF SEVERAL SECTIONS, IN ALL ABOUT 110,000 WORDS, ON 550 PP. AUTOGRAPH *sm. 4to*

** UNPUBLISHED.

(1) [Introduction] (*complete*), beginning: "Having searched after knowledge in y^e prophetique scriptures, I have thought myself bound to communicate it for the benefit of others, remembering y^e judgment of him who hid his talent in a napkin" (*first leaf stained but entirely legible*).

(2) "Rules for interpreting y^e words and language in Scripture."

(3) "Definitions."

(4) "Prophetic figures."

(5) A series of Twelve "Positions" (the last 3 un-numbered).

(6) A series of "Propositions," numbered III-XVI (some re-numbered and out of order; with several drafts); and Drafts of further "Propositions," numbered 20-26.

(7) The first, second, third and fourth Trumpets, with drafts of several portions.

(8) "Propositions" [on the Trumpets] *incomplete*.

(9) [The Opening of the Seals] *incomplete*.

228 APOCALYPSE [A TREATISE ON THE BOOK OF REVELATION] A VAST COLLECTION OF NOTES AND EXTRACTS IN ENGLISH AND LATIN, MOSTLY MADE IN PREPARATION FOR THE WRITING OF THE TREATISE, *on unpagged sheets and very confused, written on* NEARLY 700 PP. *sm. 4to, etc., and containing about 150,000* WORDS, AUTOGRAPH

- 229 APOCALYPSE. "TUBA QUARTA" [a Treatise, in Latin, apparently complete] about 4000 words, on 21 pp. AUTOGRAPH *sm. 4to*

SECTION VII.

THEOLOGY.

- 230 APOCALYPSE. "INTRODUCTIO continens Apocalypseos rationem generalem," [in Latin; complete], about 4,500 words, on 21 pp. AUTOGRAPH *sm. 4to*
- 231 APOCALYPSE. "VARIANTES LECTIONES APOCALYPTICÆ" [a collection of variant readings in the Greek text, compiled from MSS. and a great number of printed editions] closely written on 105 pp. AUTOGRAPH *sm. 4to*
- 232 BLOOD. "THE QUESTION STATED ABOUT ABSTAINING FROM BLOOD," about 1000 words, 3 pp., AUTOGRAPH, much corrected *folio*
- 233 CHURCH HISTORY. [NOTES ON THE SITE OF THE SEVEN CHURCHES OF ASIA, ETC., mostly in Latin] about 3500 words, on 14 pp., *sm. 4to, etc.*; Extracts "Ex Marci Maximi Caesaugustini in Hispaniis Episcopi Chronico," (stained and partly illegible) 3 pp. *sm. 4to*; Extracts "Out of Cudworth" on 7 pp. *folio* (4 pp. defective) ALL AUTOGRAPH
- 234 CHURCH HISTORY. "PRÆMIUM" [to a Church History, in Latin; complete] begins: *Rerum Christianarum clara intelligentia, ab historia Ecclesiasticæ pendet. Historiæ hæc est summa.* About 10,000 words, on 47 pp. AUTOGRAPH *sm. 4to*
- 235 COMMON PLACE BOOK, DEVOTED MAINLY TO THEOLOGICAL SUBJECTS, containing entries, mostly in English, on 104 pp. in all about 40,000 words, AUTOGRAPH (the remainder of the book, 220 ll., left blank, except for occasional headings) slightly water-stained throughout, edges of some ll. rotted and a number of passages illegible, original limp vellum *folio*

** Begins with a single entry written at the top of the first page :

"A man may imagin things that are fals but he can onely understand things y^t are true, for if y^e things be fals, the apprehension of them is not understanding."

The next page contains a list of Historical writers, and against some of the names is the note "Trin. Coll.," followed by a shelf-mark.

Other entries are arranged under the following headings :--

Out of ye L^d falkland's discours of infallibility.

Observations upon Athanasius's works.

Lot 235 continued.

De Antichristo.

On I John 5. 7, 8 (an important entry, this being one of the passages discussed in Newton's "Historical Account of two notable corruptions of the Scriptures")

De Millenio, ac die Judicii.

Of Innovations and y^e authors thereof.

De Trinitate.

De Politia Ecclesiastica.

De Monachis.

Beginning at the other end are passages from the Bible arranged under various headings: "Mores Gentium"; "Idololatria"; etc.

Inscription on inner cover: "Sep. 25 1727. Not fit to be printed. Tho: Pellet."

- 236 "DE ANNIS PRÆDICATIONIS CHRISTI" [*in Latin, incomplete and some ll. stained*] about 8,000 words, on 44 pp. AUTOGRAPH sm. 4to

- 237 DECRETUM SYNODI ORIENTALIIUM [Nos. LXXV-XCV; a transcript], about 5,000 words, on 20 pp. AUTOGRAPH folio

- 238 FAITH. "FIDEI VERO FORMULA" [a Treatise, beginning so; in Latin, *apparently complete*], about 11,000 words, on 49 pp. AUTOGRAPH sm. 4to

- 239 IRENÆUS. [NOTES] "EX IRENÆI HAERESIBUS LIB I," 8 pp.; "EX MAIMONIDE LIB DE CULTU DIVINO," 16 pp. (*stained and partly illegible*; VARIOUS NOTES (in Latin) ON MYTHOLOGIES, ETC. (*some sheets defective*); in all about 20,000 words on 100 pp. AUTOGRAPH sm. 4to

- 240 "IRENICUM, OR ECCLESIASTICAL POLYTY TENDING TO PEACE," SEVEN AUTOGRAPH DRAFTS, in all about 10,000 words, on 22 pp. folio, and 1 p. sm. 4to

** PERHAPS THE MOST INTERESTING OF NEWTON'S THEOLOGICAL WRITINGS. It consists of 20 Theses preceded by what is in effect a very careful and deliberate statement of his Christian beliefs. The Theses are printed by Brewster (vol. II, 526-531), but the rest of the MS. is apparently unpublished. Only one draft contains the 20 Theses, another contains 9, the remainder none.

- 241 NICENE COUNCIL. A HISTORY OF THE FIRST NICENE COUNCIL [*in Latin, no title, complete*], about 11,000 words, on 52 pp. AUTOGRAPH sm. 4to

- 242 PROPHECIES. THE LANGUAGE OF THE PROPHETS. "THE FIRST BOOK CONCERNING THE LANGUAGE OF THE PROPHETS," *about 50,000 words on 152 pp.* (with a draft of the first Chapter, *on 5 pp.*) AUTOGRAPH *folio*

** UNPUBLISHED. Although apparently only the first part of a larger projected work it is complete in itself and except for the last few pages has the appearance of having been prepared by the author for the press. The book is divided into Nine Chapters, headed as follows:—

1. A Synopsis of the Prophetick Figures.
2. The dayly worship described.
3. The Prophecy of opening the sealed Book and of sounding the Trumpets described.
4. The Prophecy of the eaten Book described.
5. Of the Kingdoms and Churches, w^{ch} are the subject of sacred Prophecy.
6. The Prophecy of the Epistles to the seven Churches explained.
7. The Prophecy of opening the first six Seales explained.
8. The Prophecy of opening the seventh Seal explained.
9. The Prophecy of the three Woes at the voices of the three last Trumpets explained.

[See ILLUSTRATION overleaf.]

The First Book

Concerning the Language of the Prophets

Chap 1

A Synopsis of the Prophetic Figures

He that would understand a book written in a strange language, must first learn the language. & if he could understand it well he must learn the language perfectly. Such a language was that wherein the Prophets wrote, & the want of sufficient skill in that language is the main reason why they are so little understood. John did not write in one language, Daniel in another, Isaiah in a third & the rest in others peculiar to themselves, but they all wrote in one & the same mystical language, as well known without doubt to the sons of the Prophets as the Hieroglyphick language of the Egyptians to their Priests. And this language so far as I can find was as certain & definite in its signification as is the vulgar language of any nation whatsoever so that it is only ^{through} want of skill therein that Interpreters so frequently turn the Prophetic types & phrases to signify whatever their fancies & hypotheses lead them to. He therefore that would understand the old Prophets (as all Divines ought to do) must fix the significations of their types & phrases in the beginning of his studies. Some thing in this kind has been done by former writers: & as I have endeavoured in the following discourse to carry on the designe further, so I hope others will bring it to more perfection. The Rule I have followed has been to compare

- 243 PROPHECIES. "PROPHECIES CONCERNING CHRIST'S 2^D COMING," [a Collection of Texts from the Bible and from the Talmud] *about 15,000 words, 40 pp. (last 8 pp. stained and partly illegible)* AUTOGRAPH *sm. 4to*
- 244 PROPHECIES. "THE SYNCHRONISMS OF THE THREE PARTS OF THE PROPHETICK INTERPRETATION," *about 6000 words, on 19 pp.* AUTOGRAPH *folio*
- 245 PROPHECIES. OBSERVATIONS UPON THE PROPHECIES OF DANIEL AND THE APOCALYPSE OF ST. JOHN, A VAST COLLECTION OF DRAFTS OF VARIOUS CHAPTERS AND SECTIONS, a few sections prepared for the press, but the majority in a confused state on un-numbered loose sheets (some on the backs of letters received and other scraps) *in all about 975 pp. folio, etc., and containing about 300,000 words,* AUTOGRAPH
- 246 PROPHECIES. NOTES AND FRAGMENTS RELATING TO THE PROPHECIES, EXTRACTS from Theological Works, etc., *on 25 pp. folio (9 pp. stained and partly illegible) and on 4 pp. sm. 4to, etc.,* ALL AUTOGRAPH, and notes in another hand, *on 4 pp. sm. 4to*
- 247 PROPHECIES. A FAIR COPY, WITH CORRECTIONS, OF A WORK ON INTERPRETATION OF THE PROPHECIES, (*no title*) imperfect at each end, but the various sections for the most part appear complete, *about 40,000 words on 158 pp.,* HOLOGRAPH *folio*
- 248 PROPHECIES. NOTES AND EXTRACTS MOSTLY DEALING WITH THE INTERPRETATION OF THE PROPHECIES, and kindred subjects, *confused and some ll. stained, about 27,000 words on 95 pp.,* AUTOGRAPH *sm. 4to*
- 249 RELIGION. THE CHRISTIAN RELIGION, AN UNFINISHED TREATISE WITH SPECIAL REFERENCE TO CHURCH HISTORY AND THE INTERPRETATION OF THE PROPHECIES, IN ENGLISH; a large collection of Drafts and Fair Copies of various sections, considerable portions being more or less complete in themselves, but including also a quantity of loose un-numbered sheets, notes on scraps, etc., in great disorder, in all ABOUT 200,000 WORDS on about 850 PP. HOLOGRAPH *mostly folio*

** UNPUBLISHED. Among Newton's MSS. mentioned by Catherine Conduitt in the Codicil to her Will (26 Jan. 1737) is "A Church History Compleat"; but none with this

Lot 249 continued.

title is recorded in the catalogue made by W. M. Godschall and Bishop Horsley in 1777, nor in any subsequent catalogue. The present collection probably represents the MS. Catherine Conduitt had in mind.

Included in the lot are 3 folio pages containing several drafts of a table of Contents; no two are alike and the numerous alterations suggest that Newton himself could not decide how the chapters should be arranged. They are either unnumbered or numbered irregularly.

The scope of the work and the scale on which it was planned may be seen from the headings of chapters which exist for the greater part in either fair copies or in late drafts.

Chap. I. Of the Church of God and of her Laws, Sanctuary, Government.

Chap. II. Of the Holy Covenant.

Chap. 2. Of the Christian Religion and the difference between the Churches of the circumcision and uncircumcision.

Chap. 2. Of the Prince of the Host or Messiah the Prince, and of his host composed of Jews and Gentiles united by Charity.

Chap. 3. Of the faith w^{ch} was once delivered to the Saints.

Chap. 4. Of the Theology of the Heathens, Cabbalists and ancient Hereticks.

Chap. VII. Of the abomination of desolation.

Chap. VIII. Of the Roman Empire in relation to its Ecclesiastical dominion in legislature in matters of Religion.

Chap. X. Of the Sanctuary of Strength, or of the Temple and Synagogues of the Jews and Churches of the Christians.

Chap. XI. Of the Sanctuary of Strength of the Holy Covenant.

Chap. XIV. Of the Host of Heaven and the corruptions which crept into it.

Chap. [—] Of the first principles of the Christian Religion.

Chap. [—] Of the Christian Religion and its corruption in its morals.

Chap. [—] Of the corruption of the Church in Language and Opinions.

Chap. [—] Of the rise and dominion of the Roman Catholick Church.

Lot 249 continued.

Chap. [—] Of the rule and faith and schism of the Christian Roman Empire.

Chap. [—] Of the working of the Mystery of Iniquity.

Chap. [—] Of the revelation of the Man of Sin.

Chap. [—] A further account of the Host of Heaven and the corruption which crept into it.

250 RELIGION [SEVEN STATEMENTS ON RELIGION] *a draft, about 400 words, 1 p. AUTOGRAPH, UNPUBLISHED folio*

** The First Statement: "That religion and Philosophy are to be preserved distinct. We are not to introduce divine revelations into Philosophy, nor philosophical opinions into religion."

251 RELIGION. "A SHORT SCHEME OF THE TRUE RELIGION," *a draft, with many re-writings, about 1500 words, 4 pp. AUTOGRAPH (extracts printed by Brewster, II 347-348) folio*

252 RELIGION [TWELVE ARTICLES] about 330 words, on 1 p. AUTOGRAPH (*printed by Brewster, II 349-350*) *folio*

** AN IMPORTANT STATEMENT OF NEWTON'S DOCTRINAL OPINIONS.

253 RELIGION. THREE PARAGRAPHS, headed: "OUR RELIGION TO GOD"; "OUR RELIGION TO JESUS CHRIST"; "OUR RELIGION TO THE CHURCH," *about 400 words, 1 p. folio*; with a shorter draft of the whole and 2 amplified versions of the first paragraph (one of which is printed by Brewster, II, 354) ALL AUTOGRAPH

254 RELIGION. THEOLOGIE GENTILIS ORIGINES PHILOSOPHICÆ [A TREATISE, IN LATIN, APPARENTLY COMPLETE, but the pages mostly un-numbered, and containing several interpolated sheets of additions and revisions], *about 20,000 words, on 96 pp. folio, (some ll. stained and a few short passages illegible)*; and a COLLECTION OF ROUGH DRAFTS, NOTES, ETC., *about 30,000 words, 110 pp. mostly folio, ALL AUTOGRAPH*

255 RELIGION. "OF THE RELIGION OF THE JEWS & CHRISTIANS," *a fragmentary draft, about 600 words, on 2 pp. folio*; other drafts (*incomplete*), Notes, etc., on Theological subjects, *in all about 5,000 words, on 19 pp. AUTOGRAPH folio*

256 RELIGION. THE RISE OF THE APOSTASY IN POINT OF RELIGION (an untitled draft), *about 2,500 words, on 7 pp. AUTOGRAPH, very much re-written folio*

** Unpublished.

257 RELIGION. DRAFTS OF VARIOUS PORTIONS OF A WORK ON RELIGION [apparently different from lot 249] *on loose sheets, un-numbered and confused*, "Chap. II. The Original of Religions," etc.; Rough Drafts and transcripts of other Theological Writings, etc. (*imperfect*) *in all about 40,000 words on 132 pp.* AUTOGRAPH *folio*

258 ROMAN CATHOLICISM [A MEMORANDUM ON THE PAPACY and the future of the Roman Church as supposedly revealed in the Prophecies] *begins*:

"That y^e Papists for some years past have had and still continue in a firm persuasion that they shall ere long suppress all parties disagreeing from them is commonly observed by those who converse much with them; why they should do so at this time more than formerly since they pretend not to any prophecy for it, must be from y^e knowledge they have of y^e present posture of affairs in Europe. . . ."

about 3000 words, 6 pp. AUTOGRAPH

folio

259 ROMAN CATHOLICISM [A TREATISE AGAINST THE ROMAN CATHOLIC CHURCH, in English; *apparently complete*] *stained, but entirely legible, about 7500 words, in a minute hand on 16 pp.* AUTOGRAPH *sm. 4to*

** UNPUBLISHED. The Treatise is divided into three sections:—

(1) [Of Fundamentals] 7 chapters.

(2) "Of Scisme," 8 chapters.

(3) "Of Particular controversys," 6 chapters.

260 ROMAN CATHOLICISM. [PROFESSION OF FAITH BY ROMAN BISHOPS AND PRESBYTERS, in Latin], *about 3,000 words*, AUTOGRAPH *folio*

261 SERMON. A SERMON ON 2 KINGS XVII, 15, 16, *on 20 pp. with much re-writing*, and a shorter version, *on 8 pp. in all about 7,000 words*, AUTOGRAPH *sm. 4to*

262 SIBYLLINE ORACLES: "EX SIBYLLINORUM ORACULIS" [Extracts; in Latin], *about 3,000 words, on 12 pp.* AUTOGRAPH *sm. 4to*

263 SOLOMON'S TEMPLE. [A TREATISE ON THE TEMPLE OF SOLOMON (in Latin)] PROLEGOMENA AD LEXICI PROPHETICI PARTEM SECUNDUM, IN QUIBUS AGITUR DE FORMA SANCTUARIJ JUDAICI, *about 20,000 words, on 84 pp.* AUTOGRAPH *sm. 4to*

** UNPUBLISHED. Apparently complete, although (7) is omitted in Newton's numbering of the folded sheets. Sheets 6 and 8 follow in accordance with the catch-words, and there is no obvious hiatus in the text. Included with the MS. are four folio pp. of autograph notes, one containing a detailed pen and ink plan of the Temple.

- 264 TRINITARIANISM. A THEOLOGICAL TREATISE, in Latin [apparently a Church History with special reference to the Arian Controversy] *imperfect at beginning and end, and with some gaps in between; on loose unnumbered sheets without title or chapter-headings*, about 50,000 words on 213 pp. (a few sheets perhaps from another work), AUTOGRAPH *sm. 4to*
- 265 THEOLOGICAL NOTES AND EXTRACTS [mostly in Latin], "Ex Athenagoræ Athen. Christ. Philos. pro Christianis Legatione, sive Apologia"; "Ex Arnobii adversus gentes libro primo"; "Ex Disputatione Vigilii Episcop. Tridentini de Trinitate"; "Ex Justini Martyris Dialogo cum Tryphonico aduersus Judæos"; "Ex Hilario"; "Ex Clementi Alexandr."; "Ex Ignatii Epistolis"; "Cyprianus de Mortalitate"; "Ex Maimonide de Culto Divino"; Testimonies of ye Millenium," etc., etc., *in all about 120,000 words on 450 pp. (some sheets stained and rotted, but the greater part in good condition)*, AUTOGRAPH *sm. 4to*
- ** A remarkable collection showing Newton's wide reading in Theology, and especially in Patristic literature.
- 266 TRINITARIANISM. "PARADOXICAL QUESTIONS CONCERNING THE MORALS AND ACTIONS OF ATHANASIUS AND HIS FOLLOWERS," DRAFTS OF VARIOUS PORTIONS, *some in several states, in all about 30,000 words, on 120 pp., un-numbered and confused, the paper stained and rotted, and many sheets badly imperfect*, AUTOGRAPH *folio*
- 267 TRINITARIANISM. CORRUPTELÆ DUORUM CELEBRIUM IN SACRIS LITERIS LOCORUM HISTORIA NARRATIO . . . vid. I John v. 7, I Tim. III, 16 . . . Amstelaedami, Anno 1709, not in Newton's hand, but containing a few autograph corrections, 98 pp., *sewed; a short autograph note on I John v. 7 loosely inserted* *sm. 4to*
- ** A Latin version of the first part of the "Historical Account of two notable corruptions of Scripture" (in Horsley's edition, vol. v. 495 seq.). It treats only of the first text but is complete, ending with "Finis," and is rather fuller than the English version.
- 268 TRINITARIANISM. "PARADOXICAL QUESTIONS CONCERNING THE MORALS AND ACTIONS OF ATHANASIUS AND HIS FOLLOWERS," *about 9,000 words on 31 pp.* AUTOGRAPH *folio*
- ** A MOST IMPORTANT MS.; UNPUBLISHED, except for short extracts in Brewster's Life (II, 342). Newton poses sixteen questions and to each of them he gives an answer overwhelmingly in favour of the Arians.

Lot 268 continued.

The MS. ends (in ink) with, "All these witnesses lived in the reign of this Emperor and therefore knew what they wrote, and being his enemies would not favour him. For they wrote after his death, and so were at liberty to speak their minds." Another sentence is added in pencil (? by Conduitt) "And therefore if any later author affirms the contrary he ought to be corrected." Brewster, who quotes from a copy which he describes as wanting the last leaf, says that he has seen at Hurstbourne Park another copy not in Newton's hand; but the present copy, except for the final sentence, is undoubtedly holograph.

- 269 TRINITARIANISM. [QUÆRES REGARDING THE WORD *ὁμοουσιος*] beginning: "Quære I. Whether Christ sent his Apostles to preach Metaphyicks to the unlearned common people and to their wives and children" (there are 24 Quæres, of which only 1-14 are numbered; a 25th Quære is incomplete), *about 700 words on 2 pp. AUTOGRAPH folio*

** An important MS. on the Trinitarian Controversy. Although the Quæres are unanswered, the form of their statement indicates Newton's Arianism.
(Printed by Brewster, II. 532-534).

- 270 NEWTON (SIR ISAAC) Observations upon the Prophecies of Daniel and the Apocalypse of St. John, ROUGH PROOFS, heavily corrected [probably by Benjamin Smith], of pp. 25-40, 73-96, 105-112, 121-160, 169-192, 201-208, 217-231, 281-323 (the end), *unbound sheets 4to [1733]*

SECTION VIII.

THE INFINITESIMAL CALCULUS.

- 271 BERNOULLI (JOHN) THREE A.L.S. TO NEWTON [in Latin] 11 pp. 4to, Basle, 5 July, 21 Dec. 1719, 6 Feb. 1723, WITH A LONG EXTRACT FROM THE FIRST LETTER IN THE HAND OF NEWTON, $\frac{1}{2}$ p. *folio* (4)

** Very important letters in connection with the Fluxions controversy. John Bernoulli was Leibnitz's chief champion, and these letters passed during the nominal reconciliation of Bernoulli and Newton which was effected by Pierre Varignon. Printed in Brewster II, 502-508.

- 273 CONTI (L'ABBÉ ANTHONY) A.L.S. TO NEWTON, containing the memorable words: "M. LEIBNIZ EST MORT; ET LA DISPUTE EST FINIE," 3 pp. folio Hanover, 10 Dec. 1716

** AN IMPORTANT LETTER from Conti who figured so prominently in the Fluxions controversy. He was a friend of both Newton and Leibnitz. Printed in *Brewster II*, 434-435.

- 274 CUNNINGHAM (SIR ALEXANDER) Two A.L.S. to Newton, containing references to the Fluxions controversy, 7 pp. 4to, Venice, 21 Feb., 1 May 1716—CHAMBERLAYNE (JOHN) Three A.L.S. to Newton, one of them referring to a letter from Leibnitz [Chamberlayne was the first to attempt mediation between Newton and Leibnitz]: "If I could be so happy as to be instrumental in beginning a friendship between Two Men of very great Merit, it would be an exceeding great pleasure . . ." 3 pp. sm. 4to and 1 p. 8vo, 20 May, 28 Oct., 1714, and undated (5)

- 275 DE BONVAL (BASNAGE) A.L.S. TO NEWTON, 1 p. sm. 4to, La Haye, 22 Aug. [? 1697]

** Apparently referring to the celebrated challenge problem (the curve for shortest time of fall, or *brachistochrone*) devised by John Bernoulli (Leibnitz's champion) to test Newton's knowledge of the Calculus. The solution was sent anonymously, but it was guessed to be from Newton:—

" . . . M. Bernoulli lui-même ne doute point qu'elle ne soit de M. Newton . . . et mes soupçons ont été confirmés par mylord Bambrouck et par M. Prior qui m'ont assuré que M. Newton en avoit trouvé la solution en peu d'heures." [See *Conduitt's Memoirs*, lot 212 (5) p. 1 for the story.]

- 276 [LEIBNITZ (GOTTFRIED WILHELM) THE "CHARTA VOLANS," CLAIMING THE INVENTION OF THE CALCULUS] 4 pp. (printed), sm. 4to, 29 July 1713

** When the dispute between Newton and Leibnitz and their champions as to the invention of the Calculus had been going on for some time, Leibnitz appealed for a decision to the Royal Society. A committee was appointed and after an examination of all the papers a report (the *Commercium Epistolicum*) was issued giving the credit of the invention to Newton. But Leibnitz, before he had seen the report, printed and circulated throughout Europe this celebrated sheet known as the "Charta Volans." It was published anonymously in the form of a letter from an "eminent mathematician" [John Bernoulli, who however, afterwards denied solemnly to Newton that he had written it] with offensive comments on Newton by Leibnitz himself. The "Charta Volans" precipitated the greatest quarrel in the history of science, a quarrel in which George I and all the Courts of Europe were eventually involved.

[See ILLUSTRATION overleaf.]

29. Julii 1713.



. . . . us nunc Viennæ Austriæ agens ob distantiam
 locorum nondum vidit libellum in Anglia nuper edi-
 tum, quo N o primam inventionem Calculi
 differentialis vindicare quidam conantur. Ne tamen
 commentum mora invaleseat, quam primum retundi
 debere visum est. Equidem negare non poterunt no-
 vam hanc Analyticam Artem primum a L o fuisse editam
 (cum diu satis pressisset) & publice cum amicis excultam; & post
 complures demum annos a N o aliis notis & nominibus,
 quendam quem vocat Calculum Fluxionum, Differentiali similem,
 fuisse productum; qui tamen tunc nihil contra L um mo-
 vere ausus est. Nec apparet quibus argumentis nunc velint L . . .
 . um hæc a N o didicisse, qui nihil tale unquam cuiquam
 quod constet communicavit, antequam ederet. L us tamen
 ex suo candore alios æstimans, libenter fidem habuit Viro talia ex
 proprio ingenio sibi fluxisse dictitanti; atque ideo scripsit N
 um aliquid calculo differentiali simile habuisse videri. Sed cum po-
 stremo intelligeret, facilitatem suam contra se verti, & quosdam in
):(Anglia

- 277 [LEIBNITZ. THE "CHARTA VOLANS"] another copy
29 July 1713
- 278 [LEIBNITZ. THE "CHARTA VOLANS"] 2 copies, *printed on one folio sheet, folded, but not separated* 29 July, 1713
- 279 NEWTON. DRAFT OF A VERY IMPORTANT STATEMENT ON THE INVENTION OF THE CALCULUS, EVIDENTLY A REPLY TO THE "CHARTA VOLANS," *about 1000 words on 2 pp. folio, much corrected and re-written, AUTOGRAPH*

* * *

"For as the Ancients invented their Propositions by Analysis and then demonstrated them by the method of composition that they might be evident to all men . . . and for procuring and preserving the certainty of Geometry which is the Glory of this science, admitted no Propositions into it till they were demonstrated by composition: so I first invented the Propositions in the Book of Principles by the method of Analysis and then demonstrated them by the method of Composition that they might be admitted into Geometry. And the Analysis by which I invented them was that of fluxions. And the Book of Principles was written by Composition (as all things in Geometry ought to be). Yet the Analysis shines through the Composition so clearly that the Marquis de l'Hospital wrote that this book was *presque tout de ce calcul*, and Mr. Leibnitz himself that it was a proof that I had this Analysis and the first proof that any was given by any man that he had it.

"Dr. Wallis died in October 1703, the last of the old men who knew what had passed between me and Mr. Leibnitz by means of Mr. Collins and Mr. Oldenburg. And hitherto Mr. Leibnitz forbore to claim the first invention of the method. But not long after upon my saying in the Introduction to my Book of Quadratures that I found the Method of fluxions gradually in the years 1665 and 1666 I was traduced in the *Acta Eruditorum* . . . as a plagiary who had substituted fluxions for Differences, and thereby taken the Method from Mr. Leibnitz the Inventor. [He then discusses the investigation undertaken by the Royal Society, and their Report.] . . . and in Answer thereunto a defamatory [originally written "*scandalous*"] Libel dated 29 July, 1713 [the "*Charta Volans*"] was published in Germany without the name of the Author or publisher or city where it was published and dispersed over Germany, France and Italy . . . yet he will neither prove nor answer, but betakes himself to clamour and to new disputes about Philosophy and to propounding mathematical Problems for determining who was the best mathematician 45 or 50 years ago.

"He applauds experimental Philosophy but contends for Hypotheses (*weh* in this Philosophy are not to be considered) and will not allow the argument from Experiments by Induction, upon *weh* this Philosophy is founded to be a good argument until Hypotheses (*sic*) have been considered . . . He proposes Hypotheses to be admitted into Philosophy in order to be [ex]amined by Experiments, whereas he should propose Questions to be examined by experiments in order to be admitted into Philosophy after examination. He accuses me of saying that God hath a sensorium in the literal sense. . . . He saith that I have not demonstrated Atomes tho I never went about to demonstrate them but proposed them amongst a set of Quaeres. . . . He takes it for granted that space may be full of a corporeal intangible fluid (the tangibility not metaphysical tangibility but physical tangibility). And if he has any disciples it is owing to his universal correspondence in *weh* he spends his life. . . ."

[See ILLUSTRATION.]

- 280 NEWTON. DRAFT OF A STATEMENT ON THE INVENTION OF THE CALCULUS :

" Non quisnam hanc vel illam methodum invenerit, sed uter methodum de qua agitur primus invenerit. Illos autem qui D. Leibnitium pro inventore primo habuere de commercio quod illi fuit cum Oldenburgo & Collinio parum rescivisse credimus: neque intellexisse quod Newtonus hanc methodum annos amplius quindecim exercuerat antiquam D. Leibnitius ipsam in Actis Eruditorum Lipsiæ evulgare cœpit."

on a scrap, AUTOGRAPH

- 280A NAUDÉ (PHILIP) A long A.L.s. to Newton on the Calculus [in Latin] *closely written on 6 pp. 4to Berlin, 6 Feb. 1723 [4]*

- 281 TAYLOR (BROOK) A.L.s. to Newton enclosing an extract of a letter from Montmort with reference to the Fluxions controversy (in which Brook Taylor was a champion of Newton):

" . . . Mr. Montmort in all his letters to me, seems to take a particular pleasure in expressing the great respect he has for you, Sir, and in one of his last he tells me has sent to me a hamper of champagne wine, and begs your acceptance of 50 bottles of it. . . ."

1 $\frac{3}{4}$ pp. 4to

22 April 1716

*** Printed in Brewster, II, 509-510.*

- 282 VARIGNON (PIERRE) A SERIES OF THIRTEEN A.L.s. TO NEWTON, RELATING TO THE FRENCH EDITION OF NEWTON'S "OPTICS," THE FLUXIONS CONTROVERSY, THE RECONCILIATION WITH JOHN BERNOULLI, ETC., *closely written on 17 pp. sm. 4to and 1 $\frac{1}{2}$ pp. 8vo, dated: 5 Dec. 1713; 18 Nov. 1714; 17 Nov. 1718; 26 July 1719; [before April] 1720; 28 Nov. 1720; 18 Sept., 2 Oct., 9 Dec. 1721; 4 Apr., 28 Apr., 4 Aug., and 13 Aug. 1722, with copies of 2 letters from Bernoulli sent by Varignon, and the following IN THE HAND OF NEWTON: Draft of a letter to Varignon [in Latin] in reply to Varignon's letter of 26 July 1719 (more complete than that published in the *Macclesfield Correspondence* II 436); similar Drafts in reply to Varignon's letters of 4 April, 4 Aug. and 13 Dec. 1722; Draft of another letter to Varignon, beginning: "Misi tibi nuper exemplaria quaedam optices meæ recusæ Angliæ" [he sends 5 copies and gives instructions for their disposal] 13 Oct. 1718; and Auto. Draft of a Letter to a friend of Varignon, written after Varignon's death and referring to the portrait of Varignon (which Newton presented) prefixed to the *Méchanique* re-published in 1725, etc. " . . . The Letters between me & Mr. Varignon relate I think almost wholly to the Edition of my Optiques. But if there be anything in them w^{ch} may deserve the light, I leave it entirely to the discretion of Mr. de Fontenelle to publish what he thinks proper out of them"; and a letter (in duplicate) from Jombert thanking Newton for the engraved portrait of Varignon, 2 pp. 4to, Paris, 12 Sept. 1725*

- 283 WALLIS (JOHN) A.L.S. TO NEWTON [in Latin] ENCLOSING A LONG MESSAGE FROM LEIBNITZ REFERRING TO THE CALCULUS, 1 p. folio Oxford, 1 July 1697

** AN IMPORTANT LETTER. Printed in Brewster II, 429-30. The Calculus was discovered independently by Leibnitz and Newton, and Newton's claim to priority is based partly on interpretation of two difficult sentences (described by him as an anagram) sent in a letter to Leibnitz. Newton kept this "anagram" a secret for many years, but ultimately divulged it to Wallis, at the latter's urgent request, and it was through Wallis that the public first heard of Newton's discovery. The germ of the differential calculus, however, is in Wallis's own *Arithmetica Infinitorum*, published in 1655, long before either Newton or Leibnitz were interested in the subject.

- 284 WILSON (JAMES) Two A.L.S. (one signed "A.B.") TO NEWTON, urging him to print his mathematical work, and telling him how MS. copies of his papers were in circulation, etc., 3½ pp. folio 15 Dec. 1720, 21 Jan. 1720/21.

** Important letters bearing on the invention of the Calculus.

"I think you seem too readily to acknowledge that Leibnitz might have found out by himself your method of an arbitrary series; for in your Scholium of your *Principia* you say that one of the things you concealed under a cypher, in your letter of October 24 1676, was 'Data Æquatione quocunque Fluentes quantitates involvente, Fluxiones invenire, et vice versa.' Now, might not Leibnitz by that means be helped to decypher what was besides concealed in that letter? . . ."

[Printed in *Brewster II*, 440-446.]

SECTION IX.

MISCELLANEA IN THE HANDWRITING OF NEWTON

- 285 ARGUMENT PERSWADING Y^T Y^E QUEENS MAJ^{TIE}. OUGHT TO HAVE IN CONSCIENCE A GREAT CARE OF Y^E SAFETY OF HER OWN PERSON, about 3000 words, 12 pp. AUTOGRAPH folio
- 286 BISHOP OF LONDON'S PROTESTATION, about 900 words, 3 pp.; and Narration of the Proceedings against him before y^e High Commissioners (incomplete), about 1300 words, 4 pp. BOTH AUTOGRAPH folio
- 287 CERTAIN ARGUM^{TS} COLLECTED OUT OF Y^E SCRIPTURES, OUT OF Y^E CIVILL LAW & Y^E COMON EXHIBITED TO Y^E QUEENS MA^{TIE}. BY SOME OF BOTH HOUSES AGAINST Y^E QUEEN OF SCOTS, Anno 13th Elizabethæ, about 3000 words, 11 pp. AUTOGRAPH folio

- 288 COPY OF Y^E ASSOCIATION & ACT OF PARLIAMENT ENFORCING IT, IN Y^E REIGN OF QUEEN ELIZABETH, *about 1700 words, 6 pp.* AUTOGRAPH *folio*
- 289 DRAUGHT OF AN ACT for y^e better prevention of Illegal Exaccon of money from y^e subject & preservacon of y^e Right & freedome of y^e subjects of this Realme, *about 1500 words, 8 pp.* AUTOGRAPH *folio*
- 290 GENEALOGICAL TREE OF THE ROYAL FAMILY, with annotations, 2 pp. *folio*, 1689—Estimated Expenses of the Government, 1668 and 1675, 3½ pp. *folio*, ALL AUTOGRAPH
- 291 "HENRICUS SEXTUS" [*in Latin*, apparently a University or College Declamation] 4 pp. *folio*, AUTOGRAPH
- 292 INSTANCE OF QUEEN ELIZABETH'S POWER OF DISPENCING WTH ACTS OF PARLIAMENT: OFFER'D TO THE CONSIDERATION OF Y^E GENTLEMEN OF Y^E UNIVERSITY OF CAMBRIDGE, *about 400 words on 2 pp.* AUTOGRAPH *folio*
- 293 JESUITISM. LETTER OF Y^E RND. FATHER PETER, JESUITE, Almoner to y^e King of England written to y^e RND Father le Chaise Confessor to y^e most Christian King, touching y^e present affairs of England, TWO COPIES, *showing slight differences, about 5000 words, 14 pp.* AUTOGRAPH *folio*
- 294 JESUITISM. COPIE D'UNE LETTRE D'UN JESUITE DE LIEGE écrit à un Jesuite de Friburge le 2 Fevr. 1687" [*in Latin*] TWO COPIES, *about 1700 words, 6 pp.* AUTOGRAPH *folio*
- 295 MONARCHIES. THE ORIGINAL OF MONARCHIES (headed "Chap. I.") *about 10,000 words, 30 pp.* (a few ll. soiled and torn), AUTOGRAPH *folio*
- 296 MYTHOLOGY. NOTES ON EGYPTIAN MYTHOLOGY, out of Plutarch [*in Latin*]; NOTES ON THE TYRRHENIANS [*in Latin*]; other Notes and Fragments on Theology and Mythology, *on 22 pp. sm. 4to, etc.* ALL AUTOGRAPH
- 297 NEWTON. ATTEMPTS AT AN ANAGRAM ON HIS NAME (about 30 the last of which, "JEOVA SANCTUS UNUS," is used on a paper in Lot 2 of the present catalogue; with list of authors cited in "Ludo Puerorum," "Scala Philosophorum"; and "Rosario Magno"; and the rough draft of a letter concerning a "Smith's house" which the Officers of the Ordnance wished to build in the Mint; (*on both sides of a single leaf*) AUTOGRAPH *folio*

- 298 NEWTON. DRAFT OF AN ACT OF PARLIAMENT, DRAWN UP BY NEWTON AND IN HIS HANDWRITING, *on 1 p. folio* [c. 1714]

Ends with a Declaration which

"... shall be made and subscribed in open court in the Quarter Sessions next after — by all persons. We, whose names are underwritten, do solemnly and without all equivocation or mental reservation acknowledge and declare that we do sincerely believe that the Church of Rome is in doctrine and worship a false uncharitable and idolatrous Church... and that the Church of England is in no danger by the succession of the House of Hannover. . . ."

Printed in *Brewster*, II, 351-352.

- 299 NEWTON. DESCRIPTION OF AN INSTRUMENT FOR DETERMINING THE DISTANCE OF THE MOON FROM ANY FIXED STAR, and directions for its use on land or sea, *with a diagram*, $\frac{1}{2}$ p. folio, AUTOGRAPH, the reverse of the sheet filled with theological notes, AUTOGRAPH, written over a Petition for help addressed to Newton by Charles Conklin, a prisoner in Newgate "expecting nothing but death."

- 300 NEWTON. Papers relating to the Estate of Thomas Hall, of which Newton was one of the executors.

* Thomas Hall, a Government official, died on 25 Feb. 1717/18, leaving about £42,000, and by his will, made "Sr Isaac Newton Kt., Hopton Haynes, Esq., the Revd. Mr. Martin . . . and Mr. Richard Walker his Executors devising all his personal estate to his said Executors for 3 years in trust for the Payment of his debts & Legacies and for improving the same for the use of his son . . ."

The papers include:—

- (1) The Account Book of the Administration of the Estate, *on 125 pp.* with long entries in Newton's hand *on 9 pp.* and four signatures, forming an interesting record of successful management on the part of Newton: see, for example, the following autograph entry:

"Memd. the 23 June 1720, sold out two hundred pounds of the seventeen hundred pounds and Lottery Annuities charged in the Bank Books. The sale was at £104 per cent, being the highest market that was in the afternoon just before the Books were closed at the desire of the Directors of the South Sea.

"Memdm. These Lottery Annuities were bought as in fol 20, of Capt. Delande at 102½ per cent."

Most of the dealings are in Bank Stock and South Sea Bonds. *sm. 4to, original vellum* 1717/18-1720/21

Lot 300 continued.

- (2) Draft in Newton's hand, of a Statement concerning a Marriage Settlement, etc., made by T. Hall, *1½ pp. folio*, and Notes on 2 scraps
 - (3) A.L.s. to Newton concerning the Estate from F. Hall (the son), Charles Godolphin, and E. Longbridge, etc. (4)
 - (4) An Exchequer Warrant for the payment of £200 (part of the Estate) with assignment on the back, signed by Newton, and F. Hall's receipt 15 May 1718-15 Aug. 1719
- 301 NEWTON. DRAFT OF A NOTE [in Latin] ON THE COLOURS OF THE RAINBOW, *about 300 words, with diagram*; and Notes on Chronology, Sites of Towns in Mesopotamia, etc. (*about 700 words*) on 2 pp. folio AUTOGRAPH
- 302 NEWTON. Miscellaneous Notes, *about 450 words, written on the back of an engraved advertisement sheet of optical instruments (soiled and slightly defective)*; other Notes on 4 pp. 4to (*fragmentary*), all AUTOGRAPH; and a receipted bill for various household goods supplied to Newton (a table mat, baskets, a mouse trap, etc.) 28 June-21 Nov. 1712
- 303 NEWTON. Latin Phrases used in the description of Astronomical Phenomena, with occasional translations into English, *about 200 words on 1 p. folio* AUTOGRAPH
- 304 NEWTON. A LATIN PHRASE BOOK, beginning with *Abate* and ending with *Conduct*, *about 2500 words on 5 pp. folio*, AUTOGRAPH
- 305 NEWTON [PHRASES FROM TERENCE'S "ANDRIA"] some of them translated into English, *over 2000 words on 4 pp. folio and 1 p. sm. 4to* AUTOGRAPH
- 306 NEWTON. MISCELLANEOUS NOTES, ARITHMETICAL CALCULATIONS, ETC., *mostly on scraps of paper*, ALL AUTOGRAPHS (24 pieces)
- 307 NEWTON. MISCELLANEOUS NOTES ON THEOLOGY AND CHRONOLOGY, *written on the backs of letters received by Newton, about 3000 words*, AUTOGRAPH, folio, etc. (6 pieces)
- 308 NEWTON. "The Accompts of Mr. Ambrose Warren Agent for the Trustees Governours and Directors of the Charity of his Grace Thomas A. B. of Cant. founded at the Tabernacle by Golden Square in the Parish of St. James in Westminster," [4th Quarter, 1700] IN THE HAND OF NEWTON, on 4 pp. folio [1701]

- 309 NEWTON. Fragments of the MS. of the "Historia Cœlestis" (not in Newton's hand) *on 7 pp. folio*, with Corrections, etc. probably in Flamsteed's hand) *on 2 ll. folio*, addressed "For Mr. Halley," and TABLES OF OBSERVATIONS "Fixam in Constellatione Herculis," etc. IN THE HAND OF NEWTON *on 5 pp. folio*

** The publication of the "Historia Cœlestis" was the cause of the celebrated quarrel between Flamsteed and Newton, and the occasion of the only recorded instance of Newton losing his temper. "He called me many hard names," said Flamsteed, "*puppy* was the most innocent of them."

- 310 NEWTON. "THE CASE OF TRIN. COLL." [A MEMORANDUM on the Fellowship Dividends]; begins: "The Dividend is no stipend but a surplus of Livery, Stipend, commons and all other expenses of the college . . . And as in all governments the Governours are either men of estates who are able of themselves to live according to their stations, or are allowed salaries to support them: so in Trinity College the eight Seniouir fellows . . . should be distinguished from the rest of the fellows by a greater allowance for recompensing their pains and supporting their authority" [Newton was admitted "major fellow" 16 March 1668], AND A ROUGH DRAFT, *together 2 pp. folio*, BOTH AUTOGRAPH

- 311 NOTES OF AN ARGUM^T IN Y^E CASE OF GODDEN VERSUS S^R EDW. HALES, 16 Junii 1686 [under the Statutes against Popish Recusants] *about 4000 words, 12 pp. AUTOGRAPH folio*

- 312 NOTES OUT OF Y^E DIARY OF Y^E PARLIAMENT, 1660, *about 300 words, on 1 p. AUTOGRAPH folio*

- 313 UNIVERSAL LANGAUGE. "OF AN UNIVERSALL LANGUAGE," [IN ENGLISH, *unfinished*] *written in a minute hand on 8 pp. and preceded by a draft of the earlier part of the work, on 7 pp. AUTOGRAPH, sewed sm. 4to*

** UNPUBLISHED AND HITHERTO UNDESCRIBED. This ingenious attempt to construct a Universal Language on a philosophical basis, begins with a short Introduction:—

The Dialects of several Languages so much differing, a general Language cannot bee so fitly deduced from them as from y^e natures of things w^{ch} is y^e same to all nations, and by w^{ch} all Language was at y^e first composed. Now y^e frame of beings is made up of severall substances (bodys and spirits) each of w^{ch} are in this or that state, case or condition: And y^e use of language is y^t one man may signify to another in w^t state any substance is, hath beene, shall bee, may bee, should bee, is wished to bee, is commanded to bee, etc.

Lot 313 continued.

Then come eleven sections under the following heads :—

- (1) "Of the Letters" [a table of letters and diphthongs arranged phonetically, the exact sound of each being illustrated by a common word in which it occurs] and "of the names of things."
- (2) "Conjugations of degrees."
- (3) "Conjugations touching action forme and Relation."
- (4) "Some other Conjugations."
- (5) "Of the Numbers of things."
- (6) "The Cases or States of things."
- (7) "The Time when a thing is in its case."
- (8) "The quantity and number of Times."
- (9) "Of Epithites."
- (10) "Of y^e Order of Words in a sentence, and of severall things put in y^e same case."
- (11) "Of y^e moodes."

The main principle of the scheme is the formation of words from arbitrary roots by the addition of prefixes or suffixes which modify the meaning to any degree within, and including the two opposites. They are used also to denote co-related objects or ideas, and in this Newton appears to have anticipated, or to be indebted to, the association theories of his great friend John Locke.

The first page of the MS. contains a genealogical tree drawn by Newton and showing his descent through four generations. At the end is a list (not in Newton's hand) of English and Latin phrases.

[See ILLUSTRATION.]

- 314 WREN (SIR CHRISTOPHER) "Sr. Christopher Wrenns Cypher describing three Instruments proper for discovering the Longitude by Sea delivered to the Society Novemb. 30 1714 by Mr. Wrenn . . . Vera Copia Edm. Halley," IN THE HAND OF HALLEY, on 1 p. sm. 4to, with a few calculations on blank sheet IN THE HAND OF NEWTON

SECTION X.

OTHER MISCELLANEA.

- 315 APOLOGY FOR THE CHURCH OF ENGLAND with relation to the Spirit of Persecution for w^{ch} she is accused (*not in Newton's hand*) 11 pp. folio
- 316 CICERO. De Senectute, MS. ON VELLUM, in a fine Italian book-hand, 26 ll. (*wanting 2 ll. : the 19th and last*) unbound [5½ in. by 4¼ in.] mid. 15th cent.
- 317 "Essaies and Meditations Concerning Morality & Religion," MS. closely written on 193 pp. (on p. 193 : "The end of the first part") wrappers folio [late 17th Cent.]

- 318 Planetary Motion. [Treatise, in Latin, on the Motion of the Secondary Planets] *MS. on 87 pp. (author unknown) unbound sm. 4to [late 17th cent.]*
- 319 ROUSSEAU (J. B.) "Epigrammes écrites en vieux gaulois en imitation de Clement Marot par Monsieur Rousseau, dont Mr. le Marquis de St. Maurice me laissa prendre une copie à Geneve, 1709," *MS. in the hand of John Conduitt, 32 pp. unbound sm. 4to*
- 320 SLOANE (SIR HANS) AND JOHN WOODWARD. An Account (addressed "To Sr. Isaac Newton President of the Royal Society") of a dispute between Sloane and Woodward on "Dr. Sloane's Assertion y^t the Stones in the Gall Bladder are the cause of Colic" *on 10 pp. 4to, unsigned 28 Mar. 1710*
- ** Woodward was expelled from the Royal Society for insulting Sloane during this violent quarrel.
- 321 Some Queries concerning Liberty of Conscience, Directed to William Penn and Henry Care, 4 *pp.*; [Fourteen Directions in aid of the King's Government] 2 *pp.*; [Address of the Lord Lieutenant, Gentlemen and Freeholders of the County of Cambridge to William of Orange] 1 *p.*; *copies, none in Newton's hand folio*
- 322 SOUTHWELL (SIR ROBERT) "An Abridgement of a Manuscript of Sr. Robert Southwell's concerning travelling. Writt. 1658. Feb. 20" 18 *pp.*; [and, beginning at the other end], a Collection of "Chansons Françoises," 24 *pp. wrappers sm. 4to [early 18th cent.]*
- 323 Spherical Trigonometry. Collection of Elementary Calculations and Figures relating to Spherical Trigonometry [probably by St. John Hare], *on 70 ll. folio, and 37 smaller pieces of paper*
- 324 WAERYWEL (DANIEL) La Demonstration sur la Quadrature du Cercle, trouvé par Dan^l Waerywel à Amsterdam, *MS. on 6 pp. 4to, with diagram*—Laurans. A Scheme of the Longitude, *MS. on 3 pp. folio with diagram*—Eberhard (C.) Abregé des Articles que le sousigné pourra remontrer pour decouvrir la Longitude, *MS. 1 p. folio*—Liste de quelques machines inventées et executées par le sieur Balesme, *MS. on 7 pp. folio*—Two A.L.s. from John Conrad de Hatzfeld, one to the Royal Society, the other to Newton, concerning a machine for perpetual motion he has invented, 4 *pp. folio and 4 pp. 4to undated*—Fragments, etc., *not in Newton's hand a small parcel*

- 325 Whiston (W.) Explication d'une Figure qui représente le Système Solaire, *MS. on 25 pp. sm. 4to*—Projet d'une Dissertation sur la Divisibilité de la Matière à l'infini [author unknown] 12 *pp. folio*—[Metaphysical Speculations on Astronomy, in Latin, author unknown] *MS. on 10 pp. sm. 4to* [early 18th cent.] (3)
- 326 Wright (Robert) Viaticum Nautaurum, or The Sailors Vade mecum. Whereby they may be assisted to find both Latitude and longitude, *MS. on 75 pp. wrappers sm. folio* [c. 1726]

SECTION XII.

SIR ISAAC NEWTON'S MINT PAPERS.

Newton was appointed Warden of the Mint in 1696 and began immediately upon the Great Recoinage of the British Monies. On the completion of this gigantic task, three years later, he was promoted to the Mastership, which office he held until his death in 1727.

Thus one-half of his working life was spent in the service of the Mint, and the present Collection of Papers covers the whole of that eventful period. They show not only that he was an exemplary Civil Servant but that also, with the adaptability of genius, he was able, and delighted, to bring his great intellectual powers to bear upon any problem of whatever nature submitted to him. He drafted Acts of Parliament, drew up Reports, wrote innumerable Letters (models of their type), controlled to a large extent the Economic Policies of the Government, kept Accounts, and performed Assays in the laboratory, all with equal facility and distinction.

He was succeeded at the Mint by John Conduitt, who had on occasions acted as his deputy during the later years, and who in 1717 had married his favourite niece, Catherine Barton. Conduitt arranged the Papers into three thick folio volumes and had them bound in calf with the backs handsomely gilded and his own name impressed upon each cover.

The contents of the volumes are described in their order of occurrence, and although for convenience of reference a number has been assigned to each item,

THE THREE VOLUMES WILL BE SOLD TOGETHER IN ONE LOT.

Lot 327.

PART 1.—THE STATE OF THE MINT.

- 1 NEWTON. An account of the Mint in the Tower of London, *on* 4 pp. AUTOGRAPH
- 2 NEWTON. The State of the Mint and Coynage according to the best of my knowledge, *on* 4 pp. AUTOGRAPH
- 3 NEWTON. An Account of the Mint in the Tower of London, *on* 3 pp. AUTOGRAPH
- 4 NEWTON. The State of the Mint, *on* 2 pp. AUTOGRAPH
- 5 NEWTON. Observations concerning the Mint. Of the Assays; Of the Melting; Of the Making of the Moneys, *on* 4 pp. AUTOGRAPH

PART 2.—PAPERS RELATING TO THE OFFICE OF THE
WARDEN OF THE MINT.

- 6 Copy of a report of the Commissioners for executing the office of Master and Worker of His Majesty's Mint, 2 pp.
23 Feb. 1684
- 7 Copy of a Warrant giving authority to Sir William Parkhurst for the payment of extra-ordinary expenses in the mint, incurred "in the melting, recoyning, and delivering of the late Crosse and Harpe money," and hereafter to be incurred in "the telling melting downe, essaying, coyning, and delivering of our Treasury lately come from France." 1 p.
13 Dec. 1662
- 8 Form of Oath (*in Newton's hand*) to be administered to the principal officers of the Mint, *signed*, Richard Sandford and Isaac Newton. Also, on the same paper, Memorandum (*signed* William Lowndes) that the oath was taken on 30 March 1715 by Sir Richard Sandford, Bart., Warden of the Mint, and Martin Bladen, Esq., Comptroller of the Mint. 1 p.
30 Mar. 1715
- 9 Accompt of disbursements from 6 Feb. 1689 to 6 Feb. 1690, *with note in Newton's hand*, 1 p.
6 Feb. 1669

Lot 327 continued.

- 10 List of Schedule of the Vouchers of the Account of Isaac Newton, Esq., late Warden of His Majesty's Mint of the Tower, 3 pp.

12 June 1700

- 11 A Memoir addressed to Newton by Thomas Fowle, one of the Clerks of the Mint giving an account of the previous wardens:—

"That since his coming to the Mint, which was about the 20th of July, 1672, Sir Anthony St. Leger, then Warden of the Mint, came very seldom to the place, and did not anything of service more then to come and ask how the affairs of the Mint were, and that was all, and soe went away.

"After him one Sir Thomas Wharton, Knight of the Bath, and his sonn Phillip, men of plentifull fortunes joyntly were wardens, who sometimes came to the Mint and asked a few questions relating thervnto, and did some business, and to little or no more purpose than the former.

"Succeeded tham, one Sir Phillip Floyd, a very ingenious gentleman, a civilian by profession, one of the Clerkes of the Councill, and one of the Secretarys to the then Earle of Danby, Lord High Treasurer of England, who as warden assisted the officers of the Mint in severall affaires proper for the Warden to the Lords of the Treasury, who succeeded the said Earle of Danby, and continued soe for the space of a twelve month and then dyed.

"Next to him came one Doctor Owen Wynn, a learned civilian and chiefe secretary to the Earle of Sunderland, whose attendance was frequent and diligent and very serviceable in his station, and not long after his present Majestie's accession to the crown relinquished his employment.

"His successor was one Benjamin Overton, Esq., who came from beyond sea with his Majesty as was reported; who came sometimes to the Mint and did some business now and then in a transitory manner, and then went his way, who having his Majestie's favour was made a Commissioner of the Customes, and soe left his warden's place here.

"And now at present yourself in the office of warden, which if I may be so bold to say, and with submission, I question not but wee shall find you farr to exceed the rest for the good and privileges of the Mint, more than all your predecessors."

followed by anecdotes illustrating the privilege of the Mint and its officials within the Tower, 5 pp.

- 12 "An accomt of what belongs to the Warden of Her Majestie's Mint within the Tower of London";

"About the year 1633 Sir William Parkhurst and Sir Anthony St. Leger were Wardens of the Mint, at which time the Warden's dwelling house was accounted from the house wherein Mr. Roettier now lives, unto the kitchen above stairs the aforesaid G. M^r hath, and so vpwards, and all the rooms over the kitchen and parlour was then a publick office for the Irish money, and the Warden passed to it from his house above stairs."

Long after this "one Richard Brigot (a Frenchman) made a proposall to King Charles the 1st to coin money by the mill, and presse it better than the moneyers did, so that then he had the said office or roomes above-stairs by a staircase added to those below allowed him by the officers, and he lived therein. And after his death the moneyers took possession thereof, and kept it vntill the unhappy rebellion, when one Holland came to be Warden, and settled his clerke in the said house, and after that one St. Johnes was warden, and did the same to his clerks; so that from that time the whole hath bin reported as belonging to the wardens."

1 p.

Lot 327 continued.

- 13 25 February 1684. Schedule of records, documents, weights, and other articles, *copy, headed* :—

" Received of Magdalena Wharton, widdow and executrix of Phillip Wharton, Esq., deceased, late Warden of His Majestie's Mint, the several things hereunder mentioned belonging to the said office, and always kept in the custody of the Warden of the said Mint."

1 p.

25 Feb. 1684

PART 3.—PAPERS RELATING TO THE OFFICE OF THE MASTER OF THE MINT.

- 14 Copy of an order of Lords of the Council for the settlement of controversies between John Louyson, Master, and Richard Martyn, Warden of Her Majesty's Mint. 1 p.

5 June, 17 Eliz.

- 15 " Articles prouinge the distinction of the offices and officers of the mynte from the offices and officers of the exchange " 1 p.
(*large folio*) [XVI cent.]

- 16 " Articles owte of the redde booke to proue that by the contents thereof the wardens were not to ouerse the Master's meltinges." 1 p. (*large folio*) [XVI cent.]

- 17 " Notes to proue that it appeareth not by thacomples the kinge had any proffittes or the warden any ouersight of the Master's meltinges," 1 p. [XVI cent.]

- 18 " Articles to prove that it appereth not by the Master's indentures the king was to have anye proffitt or the Warden any ouersight of the Master's meltinge's." [An official memorandum prepared during the investigation of the matters in dispute between John Louyson and Richard Martyn.] 1 p. *large folio*
[XVI cent.]

- 19 List of Mint Indentures. [A document prepared for the investigation of the controversies between John Louyson and Richard Martyn.] 1 p. [XVI cent.]

- 20 Affidavit (official copy) of John Hillard of London, goldsmith, aged fifty-six years, and formerly servant of Mr. Frinde, gold refiner, when Martin Bowes was Master and John Browne was Warden of the Mint, in the Tower of London : [in disproof of the present Warden's assertion of his right to oversee the Warden's meltings]. 1 p. (*large folio*) 16 Aug. 1575

- 21 Affidavit (copy) of Thomas Clenton, citizen and goldsmith of London, aged seventy-six years; agreeing with the testimony of John Hilliard, and describing the customs regarding the keys of the melting houses, etc. 1 p. 26 Aug. 1575

Lot 327 continued.

- 22 Affidavit (copy) of Edward Pate, of Kettleby, co. Leicester, gentleman, of the moneyers of the Mint in the time of Henry the Eighth, "no Warden or other officer of the Mint presumed to entremeddle with the Master's ratinge of his pottes or meltinges." 1 p. 12 Oct. 1575
- 23 "Brief Notes of suche Articles and Profes as the Master hathe shewed to the sworn men against the Warden's Ouersight of the Master's Melting." [Relating to controversies between John Louyson and Richard Martyn.] 1 p. [XVI cent.]
- 24 "The Master's answer touchinge the ratinge of the potte."
"Wherefore, the nowe Master findeth him self motche iniured and greued by the slaunderous speches of his aduersaries whose reporte id that th Master by putting copper to the bullion at his plesure maketh the moneyes courser then he ought to doe, a thing verry odious in the eares of the vnskilfull people; wherefore he hath thought good to shewe how of necessitie there mvst be copper put to the bullion, whereby the rating of the potte is required and vsed and howe that in puttinge copper to the bullion the Master doth no wronge neither to Her Majestie nor to the Subjecte." [Part of John Louyson's answer to Richard Martyn.] 3 pp. [XVI cent.]
- 25 Collection of notes and extracts from John Louyson's patent for his office of Master of the Mint in the Tower of London: together with brief comments on the passages of the patent that justify the Master's manner of discharging the duties of his office. 7 pp. [XVI cent.]
- 26 "A brief Discourse shewing the causes of the Controuersies growen betweene the Warden and the Master Worker of the Mynte." [The formal reply of John Louyson to Richard Martyn's charges.] 4 pp. [XVI cent.]
- 27 The First Complainetes of the Warden exhibited against the Master, and The Master's Answers to the same. [A fuller account of the matters in dispute between Louyson and Martyn.] 6 pp. [XVI cent.]
- 28 The Master's Answer to the Warden's Informacioun, exhibited to the Right Honourable the Lords of Her Majestie's Priuey Councell, Comissioners appointed to here and determine Mynte Causes, 1 p., and rough Notes of particulars set forth in the document. 5 pp. [XVI cent.]
- 29 Memorandum of an appointment of Edward Harlinge to "hould and enjoye the place, houses and roomes belonging to the keepinge of the dyett of the mint for the officers there in soe large and ample a manner as Richard Millar his predecessor in that place did." Signed, Henry Tweed, Edward Villiers, Richard Rogers, Andrew Palmer., 1 p. 8 June 1622

Lot 327 continued.

- 30 Certificate that Isaac Newton, Esq., Warden of the Mint, took his corporal oath before the Lords of the Treasury "not to reveal or discover (directly or indirectly) to any person or persons whatsoever the new invention of rounding the money and making the edges of it with letter or grainings or either of them." Signed by Wm. Lowndes, 1 p. 2 May, 1696

- 31 Bond of Isaac Newton to King William the Third, in the sum of 2,000 l. for the due performance of the duties of his office of "Master and Worker of all monies, both gold and silver, within His Majesty's Mint in His Majesty's Tower of London and elsewhere in His Majesty's kingdom of England." Witnessed by Geo. Wattes and Matt. Hutton (*cancelled and part of Newton's signature cut out*), on vellum 21 Jan. 1700

- 32 NEWTON. A.L.S. (*draft*) to the Lords of the Treasury

"... it has been usual for the Masters and Workers of His Majesty's Mint to give 2,000*l* security to the King before the sealing of the indenture of the Mint, and to mention the same in the indenture. Thus did Sir Robert Harley in the second year of King Charles the First, Sir Ralph Freeman in the 12th year of King Charles the Second, and Mr. Slingsby in the 22nd year of the same King. Mr. Neale, having spent a large estate, and being far in debt, made his way into the place by granting half the thereof to other officers of the Mint, and giving 15,000*l* security to the King, and had time given him to find this security after the sealing of the indenture; but his melter, Mr. Ambrose (through whose hands all the coynage was to pass) gave but 2,000*l* security to Mr. Neale. The coynage being now much less than in the time of any of the masters and workers above-mentioned, if your Lordships please to accept of the usual security of 2,000*l*, I am ready to give it, that it may be entered in the indentures now to be sealed. All which is most humbly submitted to your Lordships' great wisdom. Is. Newton."

1 p.

Mint Office, 21 June 1700

- 33 NEWTON. A.L.S. (*draft*) on the renewal of his indentures of the Mint, to the Lord High Treasurer offering the following security for his performance of the duties of his office of Master and Worker of the Mint, viz., himself in the sum of £2,000, and Thomas Hall, and John Fauquier, in the sum of £1,000 each, $\frac{1}{2}$ p. *Mint Office, 20 Aug. 1702*

- 34 NEWTON. Rough Auto. draft of item 32, with additional note at foot

"May it please your Lordships, His Majesty having been pleased to appoint me Master and Worker of his Mint, and it being usual to give 2,000*l* security for the due performance of the trust, I humbly propose the security following. Is. Newton, M^r and W^r of the Mint, 2,000*l*; the Rt. Honble. Charles Montague, Esq., 1,000*l*, and Thomas Hall, Esq., 1,000*l*; or — Floyer, Esq., 1,000*l*, and Tho. Pilkington, gent., 1,000*l*."

1 p.

[June 1700]

Lot 327 continued.

- 35 Certificate that Sir Isaac Newton gave due security for the proper performance of his duties as Master and Worker of the Mint, on the 12th day of May 1719, upon the renewal of his indenture for the said office, *signed by M. Hutton*, 1 p.
11 Aug. 1719
- 36 NEWTON. AUTOGRAPH COPY of the oath taken by him to perform and keep all the covenants and agreements of his office of Master and Worker of the Mint. $\frac{1}{2}$ p. *undated*
- 37 NEWTON. AUTOGRAPH COPY of a form of Letters of Deputation for the Warden, Master, or Controller of the Mint, 1 p. 1696
- 38 NEWTON. AUTOGRAPH COPY of a form for his bond to Her Majesty for the due performance of the duties of his office in the Mint, 1 p.
11 June 1702
- 39 Memorandum of the appointment of Hannah Briggs, "to have and enjoy the place, houses, and roomes belonging to keeping of the Diet of the Mint for the officers there." *Signed Phi. Lloyd, Tho. Neale, Cha. Duncombe, Ja. Hoare, John Brattell*, $\frac{1}{2}$ p.
5 Sept. 1685
- 40 Memorandum of the appointment of Frances Harley, widow, to "hold and enjoy the places, howses, and roomes belonging to the keeping of the Dyett of the Mint for the officers there." *Signed, Antho. St. Leger, John Buckworth, Cha. Duncombe, Ja. Hoare*, $\frac{1}{2}$ p.
23 Oct. 1680
- 41 Copy of a warrant to Thomas Neale, Master and Worker of the Mint. Authorising him to retain fourteen pence per pound, Troy weight, out of the new moneys proceeding from the silver of the clipt moneys, and to distribute the same amongst the officers and workers of the Mint, in proportions set forth in the warrant, 3 pp.
18 Mar. 1695/6
- 42 NEWTON. AUTOGRAPH Draft of a letter regarding effect of the Coinage Duty on a clause in the Master's Indentures. 1 p.
undated
- 43 Official copy of the patent of the grant, during pleasure, of the office of Master and Worker of the Mint to Isaac Newton, Esq., together with a yearly pension of £500, and all fees, houses, gardens, and advantages pertaining to the said office. *Autograph note at foot*, "June 9th 1707, Examd. Is. Newton." 1 p. (*large folio*)
11 June 1 Anne [1702]
- 44 Copy of the warrant for the re-arrangement of the salaries of officers of the Mint, with schedule of the Stipends assigned to the several offices, 3 pp.
17 July 1667
- 45 List of the successive Wardens, Masters and Comptrollers of the Mint from 1603 to 1692, 1 p.

Lot 327 continued.

- 46 Bill of incidental expenses for affairs connected with the business of the Mint, $1\frac{1}{2}$ pp. 5 Nov. 1688—30 Sept. 1689
- 47 Statement of the expenditure of the Mint in salaries and allowances to officers for 1712, 1 p. 25 Dec. 1712
- 48 Similar statement for 1713, 2 pp. 25 Dec. 1713
- 49 Abstracts of the successive grants for life of the office of Master and Worker of the Mint to Sir Ralph Freeman (July 1660), Henry Slingsby, Esq. (August 1670), and Thomas Neale, Esq. (July 1678); from which precedents Joseph Moyle (the writer of an appended note), argues that the office was usually granted for life before the appointment of Sir Isaac Newton, to whom it was granted only during pleasure. 22 Mar. 1626/7 [for 1696/7]

PART 4.—PAPERS RELATING TO THE OFFICE OF ASSAY MASTER OF THE MINT.

- 50 Memorandum on the powers and functions of the Assay Master, Combating the notion that he is a check upon the officers of the Mint, "Whereas on the contrary the Comptroller is a cheque upon the whole Mint, and all the three first officers are cheque upon the Assay Master." 2 pp. *undated*
- 51 NEWTON. "The State of the Mint in relation to the Queen's Assaye Master," draft, 2 pp. AUTOGRAPH *undated*
- 52 Joint petition of James Whitacre, clerk and fireman in the Assay Office of the Mint, and Robert Lowe, porter of the Mint, to the Lords of the Treasury, for increase of salary; each of the petitioners having hitherto received only £25 a year, 1 p. *undated*
- 53 NEWTON. Three rough Drafts, AUTOGRAPH, of a Letter to the Lords of the Treasury, respecting the competitive examination of Mr. Brattel and Mr. Oadham in the making of assays of gold and silver, in which trial Mr. Brattel has shown himself "the more expert," on 1 p. [1713]
- 54 Representation and Petition of Catesby Oadham to the Earl of Wharton, Lord Privy Seal, that the petitioner has not met with justice from Sir Isaac Newton, who in his recent examination (on 8 April 1713) of the merits of the petitioner and Mr. Brattel for the post of Assay Master of the Mint, was guilty of partiality and unfairness in his preference of Mr. Brattel, $1\frac{1}{2}$ pp. [1713]
- 55 NEWTON. Rough draft of a Letter, AUTOGRAPH, showing the inaccuracies of Mr. Catesby Oadham's letter to the Earl of Wharton, and justifying by an account of the competition his recommendation of Mr. Brattel, 1 p. [1713]

Lot 327 continued.

- 56 Petition of Charles Brattell for the office of Assay Master in the Mint, vacant by the death of the petitioner's brother, Daniel Brattell, to whom the petitioner has been assistant for fifteen years past 31 Jan. 1712/13
- 57 NEWTON. Rough draft of a long Letter, AUTOGRAPH, defending his recommendation of Mr. Brattell, and answering Mr. Catesby Oadham's assertions and arguments, *on 4 pp.* (containing also a mathematical problem, with diagram) [1713]
- 58 NEWTON. Rough draft of another letter, AUTOGRAPH, on the same matter, and to the same effect, *on 3 pp.* [1713]
- 59 Oadham (Catesby) Statement of his Grievances against Newton, 1 p. [1713]
- 60 NEWTON. Rough draft of a Letter, AUTOGRAPH, to the Lords of the Treasury, concerning the appointment of an Assay Master for the Mint, 1 p. [1713]
- 61 Humble Representation and Petition of Daniel Brattell, Assay Master of the Mint, to the Lords of the Treasury for the consideration and remedy of grievances under which he labours at the Mint, 1 p. 21 Jan. 1697
- 62 NEWTON. Notes on the making of Assays, etc., *on. 4 pp.* AUTOGRAPH
- 63 Haynes (H.) Letter respecting certain parcels of gold, suspected by the writer "to be of a bad mixture," which the South Sea Company have recently received from their agents in the West Indies, and sent to the Mint, 2 pp. 6 Sept. 1726
- 64 "Of the Assaying of Gold and Silver, the making of indented Triall-pieces, and trying the moneys in the Pix," 2 pp. *undated*

PART 5.—PAPERS RELATING TO THE OFFICE OF THE WEAIGHER AND
TELLER OF THE MINT.

- 65 NEWTON. Draft of a Letter, AUTOGRAPH, to the Lords of the Treasury, supporting Hopton Haines's petition for the office of Weigher and Teller of the Mint, 1 p. *undated*
- 66 Draft of Hopton Haines's petition to the Lords of the Treasury, for the office of Weigher and Teller of the Mint, vacant by the death of Mr. Tho. Fitch, 1 p. *undated*
- 67 Copy of Philip Shales's petition for the office of Weigher and Teller, 1 p. *undated*
- 68 Copy of the petition of Charles Brattell, for the office of Weigher and Teller *undated*

Lot 327 continued.

- 69 Copy of the petition of George Foord for the office of Weigher and Teller, 1 p. *undated*
- 70 Copy of the petition of Mr. Thomas Edwards for the office of the Weigher and Teller, 1 p. *undated*
- 71 NEWTON. AUTOGRAPH COPY of a Letter (signed twice) to the Lords of the Treasury regarding Hopton Haines's petition for the office of Weigher and Teller; and four AUTOGRAPH DRAFTS of the same letter, differing only slightly from one another and item 65, on 9 pp. *undated*
- 72 Letter to the Lords of the Treasury on the Application for the office of Weigher and Teller, 1½ pp. *undated*
- 73 Inspector's Report on the slight differences between the Exchequer weights and the Tower weights, ½ p. 6 Aug. 1701
- 74 NEWTON. Reports on the weights used at the Mint, with calculations, on 4 pp., AUTOGRAPH [? 1701]
- 75 Report by Hopton Haynes on the weights used at the Mint 29 April 1724

PART 6.—PAPERS RELATING TO THE OFFICE OF GRAVER OF THE MINT.

- 76 Attested copy of the Patent (dated 27 July, 21 Car. II) of the grant for life, in survivorship, of the office of Graver of the Mint to the three brothers John, Joseph and Philip Roettiers, who "have at our instance and desire quitted their native countryes, and are willing to settle themselves in this our kingdom, and to employ their whole tyme in the said arts for our services," 4 pp. 15 Aug. 1698
- 77 Lowndes (W.) Letter to the Warden, Master and Worker, and Comptroller of the Mint, transmitting the petitions of Colonel William Parsons, Mr. John Croker, and Mr. Rose, for the office of Engraver of the Mint, vacant by the death of Henry Harris. 1 p. 8 Aug. 1704
- 78 Petition of John Fowler for the office of Engraver of the Mint, 1 p. 7 Aug. 1704
- 79 Petition (*imperfect*) of Colonel Parsons for the Office of Engraver of the Mint, 2 pp. [1704]
- 80 Petition of John Croker for the office of Engraver of the Mint; (he "succeeded Mr. James Rotier in engraving the puncheons and dyes for the coinage at the Tower and five country Mints") 1 p. [1704]

Lot 327 continued.

- 81 NEWTON. Copy of a Letter from Newton to the Lord High Treasurer on the gravers of the Mint and their ancient liberty to make medals for their private advantage (*not autograph, but containing additions in his hand*) 1 p. *undated*
- 82 NEWTON. "A proposal for regulating the graver's office" $\frac{1}{2}$ p. AUTOGRAPH (*signature removed*) 8 Sept. 1704
- 83 NEWTON. Draft of a Report to the Lord High Treasurer on the petitions for the office of Engraver of the Mint, $\frac{1}{2}$ p. AUTOGRAPH [1704]
- 84 Order for the seizure of all puncheons, dyes, and presses belonging to His Majesty's Mint in the hands of Mr. Roettier, *signed*: Paul Joddrell, $\frac{1}{4}$ p. 2 Feb. 1696
- 85 NEWTON. AUTOGRAPH COPY of a Letter to the Lords of the Treasury, asking for an allowance of £30 per annum with meat, drink, and clothes, to one Beresford, now the journeyman and heretofore the apprentice of Mr. Croker, graver to the Mint, $\frac{1}{2}$ p. 26 June 1722
- 86 NEWTON. Draft, the greater part AUTOGRAPH, of the Report on the qualifications of the various applicants for the office of Graver to the Mint, and recommending the appointment of John Croker, $2\frac{1}{2}$ pp. [1704]
- 87 NEWTON. AUTOGRAPH DRAFT of a Grant of Authority to Croker and Bull to have the custody of "all Engines, instruments and devices whatsoever to be used in the making of the Puncheons and Dyes or stamps, etc." $\frac{1}{2}$ p. [1704]
- 88 Letter (*signed* C. Peyton, I. Newton, E. Philipps) to the Earl of Oxford and Mortimer, recommending that an allowance of 35 l. per annum be made binding Francis Beresford apprentice to John Croker. Endorsed with the Lord Treasurer's warrant (dated 15 July 1712), 2 pp. 16 June 1712
- 89 NEWTON. Rough Draft of the Letter numbered 81 in this series on the ancient privilege of graver in the Mint, *on* 2 pp. AUTOGRAPH *undated*
- 90 NEWTON. *Notes for the same Letter*, 1 p. AUTOGRAPH *undated*
- 91 NEWTON. Rough draft of the Report on the Candidates for the office of Graver of the Mint (no. 86) *on* 3 pp. AUTOGRAPH [1704]
- 92 Copy of the Patent of the Grant, during pleasure, of the office of Engraver of the Mint to Henry Harris, gentleman, $2\frac{1}{4}$ pp. 26 Sep. [1702]

Lot 327 continued.

- 93 NEWTON. Rough draft of a Letter to the Lord High Treasurer, recommending an increase of salary and allowance to Mr. Bull, one of the engravers of the Mint, 1 p. AUTOGRAPH
undated
- 94 NEWTON. Another rough draft of the Report on the Candidates for the office of Engraver of the Mint (nos. 86 and 91) 1 p. AUTOGRAPH
[1704]
- 95 Fair copy, signed by C. Peyton and Is. Newton, of the letter numbered 88 in this series, 1 p. 12 Sep. 1711 (*sic.*)
- 96 Humble memorial of Samuel Bull, second engraver of the Mint, addressed to Newton, asking for increase of salary and enlargement of privileges, 1½ pp. 14 Sept. 1722
- 97 NEWTON. Copy of a Letter, in Newton's hand, to the Lord High Treasurer, recommending Le Clerk for the office of third engraver of the Mint, under Mr. Crocker and Mr. Bull, signed by Newton and J. Ellis, *but Newton's signature partly removed*, 1 p. 13 Sept. 1704
- 98 Fair copy, signed by J. Stanley, Is. Newton, and Jn. Ellis, with additions in Newton's hand, of the report (86, 91, and 94) on the candidates for the office of Engraver of the Mint, and a rough and incomplete copy of the same, 4 pp. 22 Aug. 1704
- 99 Fair copy of Newton's letter (nos. 81 and 89) on the privilege of engravers of the Mint (*Newton's signature removed*) 1 p. 12 Oct. 1704
- 100 NEWTON. Memorandum on the misunderstanding respecting the contract between Mr. Harris, Engraver of the Mint, and Mr. Croker, a jeweller, whom Harris had engaged to serve under him in the Mint, 1 p. AUTOGRAPH
undated
- 101 Copy of a Memorial to the Lord High Treasurer, on the importance of the office of the Engraver of the Mint, and making suggestions for maintaining its efficiency, 3 pp.
undated
- 102 NEWTON. Autograph Draft of the petition of John Rollos, engraver of the King's signets, seals, stamps and arms, for the office of assistant graver of the Mint, vacant by the death of Mr. Samuel Bull, ½ p. *undated*
- 103 NEWTON. Copy of a Bill for work done for the Mint at Edinburgh, by John Croker and Samuel Bull, gravers, and Thomas Silvester, smith, to Her Majesty's Mint in the Tower of London, 1 p. AUTOGRAPH 15 July-18 Dec. 1707

Lot 327 continued.

- 104 NEWTON. Estimate of the cost of equipping a Mint, with details of all the various items from the Rollers and Mills down to "Twelve douzen hard hand brushes at 3d. a piece" 1 p.
 AUTOGRAPH *undated*

PART 7.—PAPERS RELATING TO THE OFFICE OF THE MELTER IN THE MINT.

- 105 NEWTON. Autograph Draft of a Letter, signed about the processes of melting and refining gold and silver at the Mint, and the waste attending each of those processes, *on 2 pp., with pen and ink sketches of plant on another page* *undated*
- 106 NEWTON. Autograph Copy of a letter from the Master of the Mint at Edinburgh to the Lord High Treasurer, about the process of melting silver in the said Mint, *on 2 pp.*, headed by the following IMPORTANT MEMORANDUM of a warrant concerning the "Historia Cœlestis" also in Newton's hand:—
 "November 28, 1706, Sir, We desire you to pay to Mr. John Flamsteed, Her Majesty's Astronomer, upon account the summ of fifty pounds towards defraying the charge of preparing his Astromical papers for the publick and correcting the press, and the same sum shall be allowed in account to his Royal Highness the Prince."
- 107 Copy of resolution and orders made by the officers of the Mint at Edinburgh for regulating the meltings of silver in that Mint, 1 p. 10 Nov. 1707
- 108 Minute of Observations and an order for the melting of silver in the Mint at Edinburgh, 1 p. 5 Nov. 1707
- 109 NEWTON. Autograph Draft of a letter to the Lord High Treasurer, recommending that the officers of the Mint at Edinburgh "be allowed to use their ancient method of alloying the molten silver to make it standard, untill the present recoinage of the moneys in Scotland shall be finished." 1 p. 14 Nov. 1707
- 110 Letter from Hercules Scott of Edinburgh, to Newton, about the process of melting silver in the Mint at Edinburgh, 2 pp. 21 Mar. 1713
- 111 Letter from D. Gregory of Edinburgh to Newton, giving an accurate account of the last melting at the Mint in Edinburgh, 2 pp. 9 Oct. 1707
- 112 Copy of warrant (signed by L. Hide, J. Henly, Ed. Dering, S. Godolphin, Ste. Fox), to Henry Ayloff, the King's Remembrancer to take security, for the performance of their duties and trusts in the Mint, of John Buckworth, Charles Duncomb, and James Hoare, Esquires, appointed by letters patent, dated 15 July, Commissioners to execute the office of Master and Worker of the Mint in the Tower of London, 3 pp. 3 Aug. 1680

Lot 327 continued.

- 113 Letter (signed Is. Newton, Tho. Neale) to the Lords of the Treasury, respecting the petition of Jonathan Ambrose, Melter of the Mint, for certain allowances and privileges, and a rough Draft of the Letter, *on 4 pp.* 10 Dec. 1696
- 114 Memorandum of the duties of the Melter of the Mint, 1 p. *undated*
- 115 Humble Memorial of Jonathan Ambrose, that he is losing money by the melting of plate, 1 p. 7 Aug. 1696
- 116 NEWTON. Autograph copy of a letter from Newton to the Lords of the Treasury, recommending certain allowances to be made to "Mr. Peter Floyer and Mr. Charles Shales for receiving the hammered money, and delivering the full weight thereof in standard silver into the Mints." 1 p. (*signature removed*) 22 Feb. 1696
- 117 Account of the tools delivered to the Tower, 1 p. 25 May 1696
- 118 NEWTON. Autograph draft of a letter to the Master of the Edinburgh Mint
- I am enquiring for a melter to be sent down to you. But it's not practicable for any man to undertake the meltings with your Pit Coal, untill he has had some experience in working with it, and finds out by that experience how the fire may be governed, so as not to overheat the metal. For no man can undertake to do a thing before he knows how to do it, nor how to do a thing of this nature without experience (and giving instructions for melting).
- 1 p. *undated*
- 119 Articles of agreement and contract between Isaac Newton, Esq., Master and Worker of His Majesty's Mint, and Philip Shales of London, gentleman, whereby Shales agrees to perform the duties of melter in the Mint, and Newton binds himself to render him certain payments and allowances. Also, an Inventory of the tools and utensils belonging to the melting houses of the Mint, appraised (8 September 1681) by Edward Silvester and Peter Johnson, *on 2 sheets of vellum, signed by Newton* 25 Feb. 1701

PART 8.—PAPERS RELATING TO MONEYMERS OF THE MINT.

- 120 Warrant signed R. Hampden, Ste. Fox, Th. Pelham, to the Warden, Master and Worker, and Comptroller of the Mint, to deliver the keys, tools, and engines pertaining to the office of Engineer to the Mint, to "Thomas Anderson, the present Provost of the Moneyers." 1 p. 3 Nov. 1690

Lot 327 continued.

- 121 Copy of a letter from Newton to the Lord High Treasurer recommending an allowance of 400 *l.* per annum to be made to the twenty-one moneyers of the Mint, in addition to their previous allowances; on the understanding that the number of the said moneys be reduced gradually from twenty-one to sixteen, which last number of moneyers is thought to be "sufficient for carrying on the service of the Mint upon extraordinary occasions,"—and a copy of the Lord Treasurer's warrant (dated 19 November 1706) to Newton to pay £400 per annum out of the coinage duty to the Provost of Moneyers, for distribution amongst the moneyers in accordance with Newton's recommendation, 1 *p.* 25 Sept. 1706
- 122 The Case of Charles Stuart, one of the moneyers belonging to Her Majesty's Mint in the Tower of London. A curious record (addressed to Newton), of a trades union amongst the moneyers of the Tower of London, and the means they took to "ratten" and punish one of their number, named Charles Stuart, who refused to acquiesce in the new code of secret laws which the associated workmen framed for the protection of their interests against the action of the Master and other officers of the Mint, 1 *p.* (*large folio*)
- 123 Draft of a Report made by the Warden, Master and Worker, and Controller of the Mint to the Lords of the Treasury, respecting the charges of the Provost and Corporation of Moneyers for setting up Mints in the Tower of London and in the country, 2 *pp.* undated
- 124 Bill of charges for making up the Engines for the Mint in Edinburgh, etc., with additions in Newton's hand, 2 *pp.* 27 Aug. 1707
- 125 Draft of a letter to the Lords of the Treasury, containing an estimate of the weight and value of the tools and utensils made on account of the late great coinage, 1 *p.* undated
- 126 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury respecting a demand of the Moneyers of the Mint for £8032 13s. 6*d.* in payment for their labour in recoinage the old clipt moneys, which sum is shown to exceed the sum due to them by nearly £4000, 1 *p.* 8 April 1699
- 127 Copy of a Letter, addressed by the Provost and Fellows of the Corporation of Moneyers of the Mint, asking payment of over £8000 for their charges and labour in recoinage the old clipt moneys, 1 *p.* undated
- 128 Petition of John Trapps, Moneyer, to Newton, for a larger remuneration of his labours at the Mint, and for protection from the extortionate impositions of "the company," [i.e., the Corporation of Moneyers], 1 *p.* undated

Lot 327 continued.

- 129 List of the Fellows and Apprentices of the Corporation of Moneyers, comprising fifteen Fellows and nine Apprentices, 1 p. *undated*

PART 9.—PAPERS RELATING TO THE PLACES OF THE SMITH AND THE PORTER OF THE MINT.

- 130 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, recommending Robert Lowe for the place of Porter of the Mint, and suggesting that he should be appointed to it "by a constitution," as a year's income (£20) from the office would not cover the charges of a patent, $\frac{1}{4}$ p. *undated*
- 131 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, recommending that the salaries of clerks of the Mint (settled some sixty years ago, and no longer sufficient for their maintenance) should be increased by about a quarter, $\frac{1}{4}$ p. *undated*
132. NEWTON. Autograph Draft (signed initials) of a Letter to the Lord High Treasurer, asking for the appointment of a salary to the office of Porter in the Mint, and for a resettlement of the office, so that the Master and Worker of the Mint may have the fullest power over the porter, $\frac{1}{2}$ p. 7 Aug. 1711
- 133 NEWTON. List of cases relating to the appointment of smiths in the Mint of the Tower of London, *temp.* Henry VIII, Edward VI, Mary, Elizabeth, James I, Charles I, AUTOGRAPH, 1 p. *undated*
- 134 Another and amended Autograph Draft of the letter (132) to the Lord High Treasurer, concerning the appointment of a Porter, 1 p. 7 Aug. 1711
- 135 NEWTON. Autograph Copy of the Letter (No. 130), recommending Robert Lowe for the place of Porter of the Mint, $\frac{1}{2}$ p. 26 June 1722

PART 10.—PAPERS RELATING TO TRIAL PIECES, TRIAL OF THE PYX AND METHODS OF ASSAYING.

- 136 Bill of fees and charges of the Tryal of the Pix, one item being "£36 paid to the Wardens of the Goldsmith's Company by warrant of the Lords of the Treasury for the Jury's dinner," 1 p. 3 Aug. 1724
- 137 NEWTON. "Directions about the triall of the Monies of Gold and Silver in the Pix," $2\frac{1}{2}$ pp. AUTOGRAPH *undated*

Lot 327 continued.

- 138 Notes on the Trial of the Pyx, partly in Newton's hand, 1 p.
undated
- 139 Warrant for summoning a jury to make trial upon their oaths of His Majesty's Coins in the Pix of the Mint within the Tower of London, 1 p. 29 July 1701
- 140 NEWTON. "Observations concerning the Triall of the Moneys in the Pix," 1 p. AUTOGRAPH *undated*
- 141 NEWTON. Autograph Copy of a Letter to the Lords of the Treasury, praying that the Pix of the Coinage may be tried this summer; three years having elapsed, and a million and a half in gold and silver having been coined since the last trial of the Pix, $\frac{1}{2}$ p. 18 June 1724
- 142 Copy of the Order for a trial of His Majesty's coins in the Pix of the Mint, 1 p. 11 June 1696
- 143 NEWTON. Autograph Draft of a precept addressed to the Wardens of the Goldsmiths' Company for the appointment of a jury to serve at a trial of Her Majesty's Pix in the Court-room of the Duchy of Lancaster within the Receipt of Her Majesty's Exchequer at Westminster, 2 pp. — June 1707
- 144 NEWTON. Autograph Draft of a Writ of a Summons, addressed to the Wardens and Company of Goldsmiths, for the appearance of the Wardens and Assay Masters of the Company (together with the box or boxes, etc., of the Diet of Plate assayed by the Assay Masters of the Companies of Goldsmiths in York, Exeter, Bristol, Chester, Norwich, and Newcastle-on-Tyne), at a trial of the Pix at Westminster, 1 p.
28 July [? 1707]
- 145 NEWTON. Note of a trial of the Pix, $\frac{1}{2}$ p. AUTOGRAPH 28 July 1707
- 146 NEWTON. Note of another trial of the Pix, $\frac{1}{2}$ p. AUTOGRAPH 3 Aug. 1699
- 147 Notes on a trial of the Pix, 2 pp. 15 July 1697
- 148 NEWTON. "Of the Assaying of Gold and Silver, the Making of indented Triall Pieces, and Trying the Moneys in the Pix," three AUTOGRAPH Drafts, on 14 pp. *undated*
- 149 NEWTON. Report on the making of Trial Pieces, AUTOGRAPH draft and a Memorandum of "Observations upon the Proceedings of the Jury in making Tryal Pieces," also AUTOGRAPH, 4 pp. *undated*
- 150 "The Manner of the Tryall of the Pix," 2 pp. *undated*

Lot 327 continued.

- 151 "Directions about the Triall of the Monies of Gold and Silver in the Pix," 3 pp. *undated*
- 152 NEWTON. "Observations concerning the Tryall of the Moneys in the Pix," 2 Drafts, AUTOGRAPH, 2 pp. *undated*
- 153 NEWTON. "A Memorial concerning the Trial of the Monies in the Pix by a Jury before the King or Lords of the Council and officers in the Mint," 4 Drafts, and Notes for the Memorial, *together on 19 pp., all* AUTOGRAPH *undated*
- 154 NEWTON. Memorandum on the estimation of the fineness of gold and silver, 2 drafts, 2 pp. AUTOGRAPH *undated*
- 155 NEWTON. Two Autograph Drafts of a letter to the Lords of the Treasury, respecting the excessive fineness which the writer has discovered in "the present indented trial piece," and Autograph Draft of another letter on the same subject, 2 pp. *undated*
- 156 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury respecting the trial of a gold piece, 1 p. *undated*; Memoranda and Notes respecting the making and delivery of Standard Trial Pieces, together with Mint, Treasury, and Exchequer receipts for the same from February 1600 to October 1660. Also copies of Benjamin Overton's receipts (dated in 1688 and 1689) for Standard Trial Pieces of gold and silver, delivered to him by Owen Wynne, Esq. 7 pp.
- 157 Receipt for three Standard Trial Gold Pieces, and two indented Standard Silver Pieces, delivered by Newton, signed by J. Stanley, 1 p. *26 May 1700*
- 158 NEWTON. "The Manner of making the Standard Trial Pieces," 5 Autograph Drafts, *on 6 pp.* *undated*
- 159 NEWTON. "Of the Assaying of Gold and Silver," a fourth Autograph Draft of 148, 2 pp. *undated*
- 160 NEWTON. "Of the Fabrication and Trial of the Moneys of Gold and Silver by the Assay," and Notes, *together on 5 pp. all* AUTOGRAPH *undated*
- 161 NEWTON. "The Present State of the Coynage in relation to the fineness of the Moneys," 2 AUTOGRAPH Drafts, *on 5 pp.* *undated*
- 162 Memoranda relating to trials of the Pix in years 1699, 1713, 1716, and 1726, 8 pp.
- 163 "A Memorial concerning the Trial of the Monies in ye Pix by a Jury before the King of Lords of ye Council and Officers of the Mint," 3 pp. *undated*

Lot 327 continued.

PART 11.—PAPERS RELATING TO THE COINAGE DUTY.

- 164 NEWTON. "An Accompt of the Deficiency of the Coynage Duty," [with particulars of the accounts of the country Mints at Bristol, Exeter, York, Norwich and Chester] *on 4 pp.*
 AUTOGRAPH 1697
- 165 Copy of a Privy Seal Warrant for the payment of moneys requisite for the business of the Mint 16 Nov. 1681
- 166 NEWTON. Copy, in Newton's hand, of a letter from Richard Sandford and Newton to the Lords of the Treasury. Recommending a renewal of the Coinage Act, with an augmentation of duties; the annual charge of the Mint promising to exceed its income by £5000 or £6000 yearly, 1 p., and another copy (not in Newton's hand) of the same letter 7 Feb. 1715
- 167 NEWTON. Memorandum of "Charges arising by the Coinage in the years ending at Christmas 1713, 1714, 1715," and three Drafts of the same, *on 3 pp. all* AUTOGRAPH
- 168 NEWTON. Memoranda used in the preparation of the letter (166) recommending a renewal of the Coinage Act, and Drafts of the letter, *on 8 pp. all* AUTOGRAPH [Feb. 1715]
- 169 Copy of a letter requiring Newton to reduce the accounts for the charges of Mint, as they exceed the limits assigned, 1 p.
undated
- 170 NEWTON. Report on the Expenditure of the Mint for the year 1712; THREE AUTOGRAPH DRAFTS, and Autograph Memoranda used in making this very interesting report, *together on 20 pp.* (and a fair copy of the Report in another hand) [? 1713]
- 171 Copy of a warrant for deducting sixpence in the pound from payments made at the Receipt of the Exchequer, 2 pp.
 8 Aug. 1721
- 172 NEWTON. Memoranda respecting the Coinage Acts of 18 Car. II, and Anne, 1 Geo. I, *on 7 pp.* AUTOGRAPH *undated*
- 173 NEWTON. "Minutes for an Act for further Encouragement of Coynage"; "Amendment to the Coinage Bill," etc. 6 pp.
 AUTOGRAPH *undated*
- 174 Letter (signed Is. Newton, Martin Bladen) to the Lords of the Treasury, applying for money to defray the last quarter's charges of the Mint, amounting to £1700, 1 p. 5 Sept. 1717
- 175 NEWTON. Memoranda relating to the proposed Act for the Encouragement of Coinage, *on 5 pp.* AUTOGRAPH *undated*

Lot 327 continued.

PART 12.—PAPERS RELATING TO THE INDENTURE OF THE MINT.

- 176 Copy of an Indenture of the Mint between Queen Anne and Newton regarding his office of Master, 25 pp. 14 Jan. 1702
- 177 NEWTON. Memoranda relating to Indentures of the Mint in previous reigns from 1 Ric. III to 3 Eliz., on 12 pp. AUTOGRAPH
undated
- 178 Form of oath administered to Newton on his admission to the office of Master and Worker of the Mint, 1 p. undated
- 179 NEWTON. Autograph Copy of a warrant authorising him to continue as Master and Worker of the Mint, in accordance with the rules and orders of the Indenture of Dec. 1700, until a new Indenture of the Mint shall be prepared, 1½ pp.
undated
- 180 NEWTON. Memorandum respecting the coinage of quarter-guinea pieces in gold, 1 p. AUTOGRAPH undated
- 181 NEWTON. Memorandum of alterations to an agreement, ½-p. AUTOGRAPH undated
- 182 Extract from the indenture of the Mint, made between William and Mary and Thomas Neale, 2 pp. 2 April 1689

PART 13.—PAPERS RELATING TO THE PROSECUTION OF CLIPPERS AND FALSE COINERS.

- 183 NEWTON. "The Original and History of the Wardens prosecuting Clippers and Coiners," 1 p. AUTOGRAPH undated
- 184 Warrant for the seizure of the clippings, clipt money, false money, and other chattels and property of clippers and coiners, for the King's use, 1 p. 1 Dec. 1686
- 185 Copy of Privy Seal Writ for the Seizure of the chattels and all other property of clippers and false coiners, 3 pp. 16 Feb. 1673
- 186 Privy Seal writ for dealing more effectually with the forfeited chattels and other property of clippers and false coiners and in remedying and checking those offences. Reciting previous Privy Seal writs of 16 February 1692 and 24 June 1693, on a large sheet of vellum 1696
- 187 List of the names of severall persons who claimed by virtue of their grants the goods, &c., of traytors delivered to Mr. Attorney-Generall with other writings in January 1690, 1 p.

Lot 327 continued.

- 188 "Reasons why the Bayliffe of Westminster ought not to claime the goods of Traytors and Felons, nor the tooles, clippings, &c., seized upon clippers and false coiners," 2 pp. *undated*

- 189 NEWTON. Note on the case of the Bayliffe of Westminster, 1½ pp.
AUTOGRAPH *undated*

- 190 Reasons for making an Act of Parliament to prevent the Counterfeiting of the Coin, by Joseph Aiken Clark, 1 p. *undated*

- 191 NEWTON. Autograph Draft of a letter addressed to the Lords of the Treasury, giving an account of his efforts to discover and punish clippers and false coiners, and begging to be relieved of the ungrateful task of prosecuting them.

The new reward of forty pounds per head, has now made courts of justice and juries so averse from believing witnesses, and sheriffs so inclinable to impanel bad juries, that my agents and witnesses are discouraged and tired out by the want of success and by the reproach of prosecuting and swearing for mony. And this vilifying of my agents and witnesses is a reflexion on me, which has gravelled me, and must in time impair and perhaps wear out my credit. Besides that I am exposed to the calumnes of as many Coyners and Newgate solicitors as I examin or admit to talk with me, if they can but find friend to believe and encourage them in their false reports and oaths and combinations against me. I do not find that the prosecuting of coyners was imposed upon any of my predecessors (tho' some of them have done it) or is consistent with the Privy Seal; for he that gathers up the estates of convicted criminals should not intermeddle in this matter. . . 'Tis the business of an attorney, and belongs properly to the King's Attorney and Solicitor-General; and they are best able to go through it, especially with such assistance as they can procure. And therefore I humbly pray that it may not be imposed upon me any longer.

1½ pp. *signed*

[?1715]

- 192 NEWTON. Four Autograph Drafts of a letter to the Lords of the Treasury recommending the appointment of a Clerk and Solicitor to manage the Mint prosecutions of clippers and coiners, and a scheme of payments and allowances for his services, 7 pp. with some Notes on the Expenses of Prosecutions
5 July 1715

- 193 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, respecting the title of Thomas Dearsly, the informer, to a reward in a particular Mint case, 1 p. *signed*
1 Mar. 1720/21

- 194 Petition of Gerard Bovey, button maker, for the restoration to him of a certain engine (invented and long used by himself for the manufacture of buttons) which is detained by the officers of the Mint as an engine that might be used for the coining of money, 1 p.
4 April 1699

Lot 327 continued.

- 195 A similar petition of Jacob Wallis for the restoration to him of a hand wedge press long since invented and used by him for the manufacture of "hooks and chains for watches," 1 p.
4 April 1699
- 196 Letter (signed, Is. Newton, Tho. Neale, Tho. Molyneux) to the Lords of the Treasury, against the return of their engines to Messrs. Bovey and Wallis, 1 p. with Autograph Notes by Newton on the subject, 1 p.
8 April 1699
- 197 Petition of Thomas Dearsly, the informer, for reward and compensation for his assistance in a Mint prosecution, 1 p.
7 Jan. 1720/21
- 198 1 March 1720/1. NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, stating that there is no precedent for consenting to Thomas Dearsley's petition, as his information has not resulted in a conviction, $\frac{1}{2}$ p.
1 Mar. 1720/21
- 199 NEWTON. Autograph Draft of a Letter to Henry St. John, Secretary of State, stating the Objections of the Officers of Mint to the reprieve of Jane Housden and Mary Pitman, under sentence of death for counterfeiting, on 3 pp. undated
- 200 NEWTON. Two Autograph Drafts of a Letter to the Lord High Treasurer, recommending the allowance of Robert Weddel's claim for £337 1s. 6d. for services in prosecuting clippers and counterfeiters, with another Bill for Weddel's expenses (£467 15s. 2d.) in connection with other prosecutions; a draft of the same bill, and various notes, all in Newton's hand, on 5 pp.
undated
- 201 NEWTON. An Account of the Monies expended by Newton in apprehending and prosecuting clippers and coiners between 3 August 1696 and 4 July 1699, 4 pp. AUTOGRAPH [and account of some monies paid in the same service in 1645 and 1646]
- 202 NEWTON. Autograph Copy of his warrant, to the Keeper of the Marshalsea Prison, to deliver up Charles Ecclestone, committed for counterfeiting, in order that he may be King's evidence in certain Mint prosecutions; and AUTOGRAPH copies of similar warrants to the Keeper of the Gate House, Westminster, and the Keeper of the New Prison for co. Middlesex, for the delivery of Joseph Gregory, also appointed to give King's evidence, 2 pp.
7 Sept. 1696
- 203 NEWTON. Autograph Memoranda relating to Mint prosecutions at the Old Bayly and Lancaster Assizes, 2 pp. undated
- 204 Petition of Francis Moore, that he may receive the estate of William Hawkins lately executed at Lincoln for counterfeiting, 1 p.
12 Aug. 1697

Lot 327 continued.

- 205 Copy of John Rotherham's petition to the Lords of the Treasury, that they would consider his scheme for making gold and silver coins in such a way that "it would be impossible to lessen their value by liquids, or any other means, without demolishing the whole body." 1 p. *undated*
- 206 NEWTON. Remarks on John Rotherham's Proposal, $\frac{1}{2}$ p. AUTO-GRAPH *undated*
- 207 Copy of the Order of Council, referring to the proposal of John Rotherham, of Barnet, Hertfordshire, for a new method of coining gold and silver money, 15 Oct. 1721, and a copy of his letter, dated 11 October 1720, respecting his proposal, 3 pp.
- 208 Rotherham (John) A.L.s. to Newton:—
... The Method found out by me will effectually at all times hereafter prevent the current coin of this kingdom being counterfeited, whereby the lives of many persons in time to come will be saved, who else might suffer the law for counterfeiting ...
3 pp. 19 Aug. 1720
- 209 NEWTON. Autograph Memorandum:
In obedience to an Order of Reference of the late Lord Justices, dated 11 October 1720, upon a Memorial of Mr. John Rotherham proposing a new method of coining the moneys of Gold and Silver, so as to prevent the counterfeiting thereof, and to make it more durable, provided he may assured of a reward before he discovers his secret; and praying that it may be examined; I humbly represent that he offers nothing to be examined, and without examination, I am in the dark, and know not what report to make. I take him to be a trifler, more fit to embroyle the coinage than to mend it.
[1720]
- 210 NEWTON. Two Autograph Drafts of Memoranda respecting the statements of William Challoner, the false coiner and confederate of counterfeiters, 2 pp. *undated*
- 211 NEWTON. Autograph copy of the Petition of William Chaloner, to the House of Commons; charging the officers of the Mint with conspiring to work his destruction, and with divers illegal practices, 2½ pp. *undated*
- 212 NEWTON. Autograph Draft of his "Answer to Mr. Chaloner's Petition," 1½ pp. *undated*
- 213 NEWTON. Autograph Draft of a Memoir: "Chaloner's case," in which he describes all the frauds and criminal practices of William Chaloner, the counterfeiter, from the time when he exchanged "the sordid garb of an indigent japanner" for "the habit of a gentleman," and commenced his audacious and successful career of crime and imposture, 3 pp., A MOST INTERESTING PIECE *undated*

Lot 327 continued.

- 214 Order of the Committee of the House of Commons "That the Warden of the Mint doe against Saturday morning next prepare, or cause to be prepared, such matters and things as the Committee this day directed Mr. Chaloner, to the end the said Mr. Chaloner may make an experiment before the said Committee in relation to guineas," $\frac{1}{2}$ p. 15 Feb. 1696
- 215 NEWTON. Two Autograph Drafts of a letter to the Lords of the Treasury respecting the right of the East India Company to erect Mints in their forts in the East Indies for coining Indian money, and the petition of the same Company to be allowed to provide themselves with coining engines and tools from the Mint in the Tower of London, on 3 pp. Nov. 1699

[END OF THE PAPERS IN VOL. I.]

PART 14.—MISCELLANEOUS PAPERS RELATING TO FOREIGN COINAGES.

- 216 NEWTON. "The values of several forreign coynes [a Table], 1 p. AUTOGRAPH undated
- 217 NEWTON. "The value of Gold in proportion to silver in several parts of Europe." [a Memoir], 2 pp. AUTOGRAPH, signed undated
- 218 NEWTON. "A Table of ye weight and intrinsic value of Foreign Coyns in England," with Notes, on 2 pp. AUTOGRAPH undated
- 219 NEWTON. 29 April 1714. "Observations upon the valuation of Gold and Silver in proportion to one another," 1 p. signed, and Notes used in preparing the "Observations," on 9 pp. ALL AUTOGRAPH 29 April 1714
- 220 "An Acct. of ye Severall Species of Mony sent from Dunkirke to Mr. Ashb. Frowd, Controwler of ye forain offices," 1 p. undated
- 221 NEWTON. "A Table of the weight and intrinsic value of forreign coynes in England," 1 p., and Notes used in preparing the Table, on 13 pp. ALL AUTOGRAPH 14 June 1704
- 222 NEWTON. "A Table of the weight, Assay, & value of several sorts of forreign monies now at the Mint," and Notes, 2 pp. AUTOGRAPH undated
- 223 NEWTON. Notes on Foreign Coins, written on the back of an A.L.S. TO CATHERINE BARTON, mentioning Lady Norris (see the "Love Letter" (Sect. IV, lot 197) "My Lady Norris thinks you forget yo^r promis of writing to her, & wants a letter from you . . ." signed "Yo^r very loving Unkle Is. Newton," 1 p. sm. 4to (edges frayed) with Newton's seal undated
- 224 NEWTON. Notes on the Assay, Weights, and Values of "forreign monies now coyned," on 26 pp. ALL AUTOGRAPH undated

Lot 327 continued.

- 225 NEWTON. "The Assays, weights & values of several forreign Silver coynes" [a Table], 3 pp. and Notes on the same subject, 23 pp. ALL AUTOGRAPH *undated*
- 226 NEWTON. Three Autograph Drafts and an Autograph Copy of a letter to the Lord High Treasurer on the values of certain foreign coins, *on* 10 pp. *2 July 1702*
- 227 Draft of a Letter to the Lords of the Treasury, concerning the influx of French and Spanish Pistoles into England, with notes and additions in Newton's hand, 2 pp. and another paper on the same subject *undated*
- 228 Copy of Treasury minutes respecting metals and coinages at the Mint, 1 p. *27 Feb. 1712*
- 229 NEWTON. Notes on the Values of Foreign Coins, used in preparing various reports, *on* 11 pp, AUTOGRAPH *undated*
- 230 NEWTON. Memorandum on the exportation of silver in the form of bullion which
"Only occasions the coyning considerable quantities thereof by the Indians in such ports of the East Indies where the merchants . . . have not a Mint of their own. . . ."
 $\frac{1}{2}$ p. AUTOGRAPH *undated*
- 231 NEWTON. Draft of a report to the Lords of the Treasury on Foreign Coins, *with Notes and Calculations, together on* 7 pp. ALL AUTOGRAPH *undated*
- 232 NEWTON. "Observations upon the Valuation of Gold & Silver in proportion to one another," with Draft of a letter to the Lords of the Treasury, and Notes on the same subject, *together on* 7 pp. ALL AUTOGRAPH *undated*
- 233 NEWTON. "The Value of Gold in proportion to Silver in several parts of Europe." [a Report] *on* 4 pp. AUTOGRAPH, *signed* *1-7 July 1702*
- 234 NEWTON. A Report on the state of the British Coinage, 2 AUTOGRAPH Drafts, 5 pp. and a Fair Copy (*in another hand*) *21 Sept. 1717*
- 235 Proclamation (*printed*) declaring the rates at which gold shall be current in payments, 22 Dec. 1717, with a covering letter, signed E. Northey, 21 Dec. 1717
- 236 NEWTON. Letter (*signed* M. M.) to Newton concerning Newton's Proposals for "regulating and proportioning" the coinage," 2 pp. 31 Dec. 1717, with AUTOGRAPH Notes by Newton on the subject, 4 pp.

Lot 327 continued.

- 237 NEWTON. "Observations upon the state of the coins of gold and silver," 2 pp. and 2 Drafts of the "Observations," on 4 pp.
ALL AUTOGRAPH 20 Oct. 1718

[See ILLUSTRATION.]

- 238 "A Third Letter to a Member of Parliament concerning the value of guineas, and the true proportion between gold and silver" [printed] 4 pp. with AUTOGRAPH Notes by Newton *undated*

PART 15.—PAPERS RELATING TO THE VALUES AND ASSAYS OF FRENCH COINS.

- 239 NEWTON. "Experiments and Observations about the values of foreign coins: Of French coyns," on 2 pp. AUTOGRAPH *undated*
- 240 "Table of the state of gold and silver coyned species, as they now pass in France, compared with the standard gold and silver species of England, 1 p., and Calculations [in Newton's] hand, 1 p. *undated*
- 241 NEWTON. "Notes out of Boizard's *Traité des Monoyes*." 1½ pp. AUTOGRAPH *undated*
- 242 Copy of a letter to the Lords of the Treasury, respecting the value of French and Spanish pistoles, 1 p. *undated*
- 243 NEWTON. Five Autograph Drafts (*one signed*) of a letter to the Lords of the Treasury on the value of French Pistoles, on 9 pp. *undated*
- 244 NEWTON. An Abstract of the King of France's Edict of Sept. 17, 1701 [respecting his coinage], 3 pp. AUTOGRAPH
- 245 NEWTON. "The Value of French Pistoles stated," 1 p. AUTOGRAPH 31 Jan, 1700/1

PART 16.—PAPERS RELATING TO THE VALUES AND ASSAYS OF THE COINS OF HOLLAND AND FLANDERS.

- 246 NEWTON. "Of the Money of the Seven Provinces," 2 pp. AUTOGRAPH *undated*
- 247 NEWTON. Drafts of Reports, Notes, Calculations, etc., on the Dutch and Flemish Coinage, especially in its relation to the British Coinage, and to the Rate of Exchange, on 14 pp. ALL AUTOGRAPH *undated*

PART 17.—PAPERS RELATING TO THE VALUES AND ASSAYS OF GERMAN COINS.

- 248 NEWTON. A Table of the various German coins, 2 pp., with Notes and Calculations, on 3 pp. ALL AUTOGRAPH *undated*

Lot 327 continued.

- 249 NEWTON. Two Autograph Drafts of a letter to the Lords of the Treasury on the value of Imperial Dollars, both intrinsically and by way of exchange with Sweden, *on 3 pp.*, and Notes and Calculations, *on 3 pp.* ALL AUTOGRAPH *undated*

PART 18.—PAPERS RELATING TO THE VALUES AND ASSAYS OF SPANISH AND PORTUGUESE COINS.

- 250 NEWTON. "Consideration about the Rates of the Coynes."
 "... And we further lay before your Lordp. that the Pillar Pieces of 8 are better then the Sevil and Mexico by about 1d. ob per piece, but that in ye Colony of Massachusetts Bay by virtue of an Act passed there . . . the Pillar pieces are current at the same rate with the Sevil and Mexico pieces . . ."
 With various Drafts, Notes and Calculations, *together on 11 pp.* ALL AUTOGRAPH *undated*
- 251 NEWTON. "Inquiries concerning the 800,000 Mexican and Pillar Dollars purchased by Her Majesty and coyned into two Real pieces for the Spanish service," a Draft, *4 pp.* AUTOGRAPH *undated*
- 252 NEWTON. Autograph Draft of a letter to the Lord High Treasurer respecting the value of the Mexican and Pillar dollars to be received at Port Mahon, *on 2 pp.* *undated*
- 253 NEWTON. "Of Spanish Money," [a Memorandum] *1 p.* AUTOGRAPH *undated*
- 254 NEWTON. "Of Portugal Moneys" [a Memorandum] *1 p.* and Notes *on 3 pp.* ALL AUTOGRAPH *undated*
- 255 Order of the Lord Treasurer for a report on the value of an enclosed Spanish piece of money, *16 Aug. 1711*, with Newton's AUTOGRAPH report at foot, *dated 21 Aug. 1711*
- 256 NEWTON. Another Autograph Draft of the Paper (251) on Mexican and Pillar dollars, *1 p.* *undated*
- 257 NEWTON. Two Autograph Drafts (*both signed*) of a Report addressed to the Lord High Treasurer, respecting the value of Mexican and Seville pieces of eight, *2 pp.* *8-10 June, 1711*
- 258 NEWTON. Notes and Calculations on the values of Spanish coins, *on 5 pp.*, ALL AUTOGRAPH *undated*

PART 19.—PAPERS RELATING TO THE COINS IN CIRCULATION IN IRELAND AND TO THE QUESTION OF ERECTING A MINT THERE.

- 259 NEWTON. Four Autograph Drafts of a letter to the Lords of the Treasury, respecting "the memorial of the Chancellor of Ireland about erecting a Mint in that kingdom." After considering the policy of England in past times on matters relating to Irish money, and the reasons for approaching

Lot 327 continued.

with extreme caution every proposal to establish a Mint in Ireland, Newton says:—

"Upon enquiring into the state of the coyn in Ireland, we understand that ye forreign coyns, which make a great part of their silver moneys, are generally in great pieces (as Ducatoons or pieces of eight) which are inconvenient for change, and that the want of smaller silver moneys has encouraged the coyning of so great quantities of copper monies for change as to be complained of; and if for remedying this inconvenience a Mint be desired to coyn these forreign monies or any part of them into small English money (shillings and sixpences), we believe it may be cheapest and best for Ireland, and safest for England, to have this coynage dispatcht at once by erecting a Mint in Ireland for some short time (as eighteen months or two years), and by lowering the value of the forreign moneys to bring them into that Mint. But we humbly lay before your Lordships that the late Country Mints were in disorder, and left their accompts full of difficulties, and that the breaking up of such a Mint may increase the number of false coyners. And we heare that the English money is now grown much more plentiful in Ireland in proportion to the forreign then it was a few years ago: so that the want of change is in good measure vanishing and decreasing, the forreign moneys having found a good market in London for the East Indies."

12 pp. [Aug. 1698] and copy (in another hand) of another letter on the same matter, 1 p. 18 Aug. 1698

- 260 Account of the New French Lewdes (Louis d'ors): followed by a table (in Newton's hand) of "The Current Values of Money in Ireland [Moydores, pistoles, ducatoons, pieces of eight, crusadoes, Perues, 23-6 broads, 25-6 broads, French Louis, French crowns, and French guineas, as well as English guineas, crowns, half-crowns, shillings, and half-shillings], 1 p. Mar.-Apr. 1714

- 261 NEWTON. Autograph Draft of a letter to the Treasury, respecting the proposal of the Lord Lieutenant of Ireland that certain foreign moneys of gold should be proclaimed current in Ireland, "in order to prevent the counterfeiting thereof," with calculations, etc., *together on 4 pp.* [Mar. 1711/12]

- 262 Letter from H. Haynes to Newton, giving Tables of values of foreign coins current in Ireland in 1692, 1 p.

- 263 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, giving "the weights and assays of five sorts of new Portugal Gold coins," 1 p. Sept. 1725]

- 264 NEWTON. Two more Autograph Drafts (both signed) of the letter No. 261 3 Mar. 1711/12

- 265 Letter addressed to the Duke of Ormond, Lord Lieutenant of Ireland, by the Lords of the Privy Council of Ireland regarding the currency of foreign coins in Ireland (13 signatures), 3 pp. Dublin, 7 June 1712

Lot 327 continued.

- 266 NEWTON. Four Autograph Drafts of a letter to the Lord High Treasurer regarding preceding letters from the Privy Council of Ireland (265), 12 pp. 23 June 1712
- 267 NEWTON. Autograph Copy of a Letter addressed by the Privy Council of Ireland to the Lord Lieutenant of Ireland, for a new and amended proclamation making certain foreign pieces of gold current in Ireland; proclamation being insufficient against counterfeiters, etc., 2 pp. 7 June 1712
- 268 NEWTON. Autograph Copy of his letter to the Lord High Treasurer, respecting the preceding letter to the Privy Council of Ireland (267), 1½ pp. 23 June 1712
- 269 NEWTON. "The Weight and Value of forreign coins in Ireland," 1¼ pp. undated

PART 20.—"ACCOUNTS OF GOLD AND SILVER COINED."

- 270 NEWTON. Autograph copy of his letter to the Lords of the Treasury, in answer to their order for an account of all the gold and silver money coined during the last fifteen years, a statement of how much has been newly coined out of plate and a return of the amounts of copper money recently coined, 1 p. 23 Nov. 1717
- 271 NEWTON. "An Account of the moneys coyned in the Tower" [1696 to 1714], in tabular form, 1 p. with notes respecting former coinages and issues of money, on 4 pp. ALL AUTOGRAPH undated
- 272 NEWTON. Autograph Copy of a Letter, signed Yor loving Friend Is. Newton," beginning:
 "Sir, the business of the Country Mints now drawing towards an end, the Lords of the Treasury are minded that we should lay your accounts before them, and for that end I desire you with the assistance of the Master and Comptroller to fill up the blanks in the inclosed paper with all the care and exactness you can, and then return it to me, or a fair copy thereof, signed by you all, that we may rely upon it."
 1 p. 16 Apr. 1698
- 273 An Inventory of the Plate and other things delivered into the Treasury of the Mint by the Honble. Her Majesty's Commissioners for Prizes, 1 p. 15 Feb. 1702/3
- 274 NEWTON. "A Particular of silver monies coyned from the first day of Queen Elizabeth's accession to the Crown to the end of King James the Second's reign [totalling £17,270,000], ½ p. AUTOGRAPH undated
- 275 NEWTON. Account of Gold and Silver money coined, 1692-1717, 1 p. AUTOGRAPH undated
- 276 NEWTON. Notes on Gold and Silver Money coined 1697-1712, 1 p. AUTOGRAPH undated

Lot 327 continued.

- 277 NEWTON. "Account of the Gold and Silver moneys coyned at his Mats. Mint . . . from Lady Day 1713 to Lady Day 1715; and of what gold and silver remained in the Tower in order for the coynage at Lady Day 1715," 1 p. AUTOGRAPH [1715]
- 278 NEWTON. "An account of the gold and silver moneys coyned yearly at the Mint within the Tower of London for the years 1659 to Christmas [1715], a *double folio sheet*, AUTOGRAPH, and a copy in another hand with additions respecting the Country Mints
- 279 NEWTON. "An Account of the Gold and Silver moneys coyned yearly . . . from the year 1659 to 31 December 1691," 2 pp. AUTOGRAPH *undated*
- 280 NEWTON. "Account of all the Gold and Silver coyned from the first of October 1599 [to] November 1675, divided into four parts; shewing how the coyn of the kingdom did encrease in the three first parts proportionately to the encrease of trade and navigation, and how much it hath decreased in the fourth part, being since this present East India Company was erected in the year 1657," and a Draft, together 5 pp. AUTOGRAPH
- 281 NEWTON. "An Account of the Gold and Silver moneys coyned annually in the Tower," [1696 to 1714], 1 p. AUTOGRAPH
6 Apr. 1715
- 282 NEWTON. "An Account of the Silver moneys coyned in the four years between Michaelmas 1695 and Christmas 1699," etc., 1 p. AUTOGRAPH *undated*
- 283 NEWTON. "An Accompt. of all the Gold and Silver monies coyned by the Mill and Press" [31 Mar. 1663-1 Jan. 1698/9] and a similar Account, *together on* 2 pp. AUTOGRAPH *undated*
- 284 NEWTON. An Account of the Gold and Silver coyned at His Majesty's Mint in the Tower of London, from Lady Day 1713 to Lady Day 1715, and of the gold and silver remaining in the Tower in order for coynage at Lady Day 1715, 1 p. and 1 p. of notes, AUTOGRAPH [1715]
- 285 NEWTON. "Accompt of the Gold and Silver moneys coyned in the Tower of London and ye five country Mints from January 1695 to January 1698," 1 p. AUTOGRAPH *undated*
- 286 NEWTON. Autograph copy of a discharge given by. I Hayes to Mr. Burdikin and Mr. Walford for £1488 6s. 6d. in the Treasury of the Exeter Mint, 1 p. and Auto. Memorandum on reverse referring to the Silver Coinage of February 1695/
6 18 Jan. 1697/8

Lot 327 continued.

- 287 Copy of a Letter (signed George Parke) to Colonel Kirkby, governor of Chester, directing him "to permitt the setting up a Mint in such part of the Castle of Chester as shall be convenient for that purpose in order to the speedy recoining of the clipt money," 1 p. 21 July 1696
- 288 NEWTON. "An Account of y^e Coynage in y^e five Country Mints till November 4 1698," 1 p. AUTOGRAPH undated
- 289 NEWTON. Account of the "Hammered Money, Plate, and Bullion imported into the five Country Mints untill November 4, 1696," 2 pp. AUTOGRAPH undated
- 290 Account of the Charges in coyning, 1769 ingotts of Silver, melted down from the Clipt Moneys, 1 p. undated
- 291 NEWTON. "The Mint's Account for 1223 ingots of Silver, and the new moneys proceeding therefrom, being the Eleventh General Remain of His Majesty's Exchequer, on the 10th of June 1696. Wth y^e incident charges of coynage, etc.," 6 pp. and Notes, 2 pp. ALL AUTOGRAPH 10 June 1696
- 292 Copy of the letter (270) and Copy of the Account sent with it (neither in Newton's hand) 23 Nov. 1717
- 293 "An Account of all the Gold and Silver coyned in the Tower of London from the 1st of October 1599 to November 1675, endorsed, with a memorandum
". . . there's not above 15 or 20 pounds of current money in £100 when the light and clipt are taken out. It is thought there's not above 4 or 5 millions of money left in this kingdom, which is not sufficient to manage the trade, which is reported to be above 40 millions per annum. The Free Exporting of Gold and Silver, and laying so great impositions by mulct on all the commodities and manufactures of this kingdom, hindreth the exporting thereof, which hath brought down the price of Land, Lead, Tin, Wool, and all Woolen Manufactures and others."
2 pp. undated
- 294 "An account of the silver moneys coined in the Mint in the Tower from 20 July 1660 to 12 December, 1699," 1 p. undated
- 295 "Accompt of gold and silver moneys coyned . . . from 1659 to the 31st of December 1691, large folio sheet undated
- 296 "The Mint's Accompt for 1769 ingotts of silver, and the new moneys proceeding therefrom," 3 large folio sheets 24 June 1696

Lot 327 continued.

PART 21.—PAPERS RELATING TO THE COPPER COINAGE.

- 297 NEWTON. Autograph Copy, signed, of his Letter to the Lord High Treasurer, respecting "the annex proposal of Mr. Abel Slaney for himself and partners for a new coinage of 700 tons in half-pence and farthings." After giving particulars respecting the several coinages of copper money since 1672, Newton says:—

"We do not hear there is any demand of halfpence and farthings at present . . . We are further of opinion that the coynage of halfpence and farthings in this kingdom should be to the intrinsick value, the charges of the coinage and incidents deducted; but if that be not thought advisable at present for fear of stopping the currency of those that are already abroad, we humbly conceive that, whenever a new coinage shall be thought convenient, it should be done in small quantities as Her Majesty shall from time to time appoint, to supply the decrease and loss of those already coined without danger of new complaints by overstocking the nation."

1 p.

13 July, 1703

- 298 NEWTON. Three Autograph Drafts (one signed) of a letter to the Lord High Treasurer, respecting the various qualities and properties of different kinds of copper, and the expenses of coining them. 5 pp.

12 Mar. 1713

- 299 NEWTON. Autograph Draft of a letter to the Lord High Treasurer, respecting the proposal of John Pery, and others "for supplying the Mint with either blanks or plates of fine copper to be coined into halfpence and farthings."

Newton is of opinion that there is no present scarcity of copper money; that the entire manufacture of copper "blanks should be done in the Mint, it being unsafe to have coining tools and coinage abroad"; and that copper money should be made "of the cheapest fine copper which will hammer when red hot, and is worth about 11d. or 12d. per pound weight. In finer and dearer copper we may be easily deceived, there being no certain list of the higher degrees of fineness; and the great price will tempt false coiners to counterfeit the money." *

1 p.

undated

- 300 NEWTON. Autograph Draft of a letter to the Lord High Treasurer, respecting the terms on which the Mint should procure copper and coin it. He alludes to his recommendation of the previous autumn, that about eighty or a hundred tons of copper should be coined. 1 p.

undated

- 301 NEWTON. Draft and Copy (signed), BOTH AUTOGRAPH, of a letter to the Lord High Treasurer, respecting coinage of copper.

"I caused a new furnace to be built in order to a further trial of what may be done by casting of copper into barrs and coining copper money out of those barrs. But in the meantime, upon assaying the half pence, of which I showed your Lordship a specimen, I

Lot 327 continued.

found the copper coarser than it was by assay before casting. Whereupon I ordered Mr. Bagley, the founder, to supply me with such barrs as would fully endure the assay; but he has not yet produced any, tho' it be about three weeks since I gave him the order. Whence I suspect that in the specimen of half-pence, which I shewed to your Lordship, he put in some Tynn without my knowledge, tho' I stood by to see him cast the copper; but he pretends another cause."

2 pp.

12 Apr. 1714

302 NEWTON. Autograph Draft of an Indenture granting him

"full power and authority to coyn halfpence and farthings of fine British copper which, when made red hot, shall spread thin under the hammer without cracking, and to cut every pound weight avoirdupois of such copper into forty and six half-pence or ninety and two farthings, and to coyn any summ of such moneys not exceeding forty tunns."

on 4 pp.

[1717]

303 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, respecting the Copper to be used in the coinage,

on 2 pp.

12 Mar. 1713

304 NEWTON. Autograph Copy (signed) of a Letter to the Lords of the Treasury, begging them to appoint a day for the trial of the Pix of copper money. 1 p.

4 Oct. 1725

305 Report to the Lords of the Treasury by R. Powys, on the Trial of the copper coins.

"six of the odd half-pence, which were made by the former contractors, were put into the fire, and then tryed with a hammer whether they would bear beating out; but they all flew and broke in pieces. Then six of those lately made by Sir Isaac Newton, which have been passed in payments abroad were tryed, and they all bore the hammer when red hot without breaking or cracking."

1 p.

27 Oct. 1722

306 NEWTON. "Considerations about the coinage of Copper Moneys," in 16 paragraphs, the first of which is: That six or at most seven hundred tunns of copper moneys are sufficient for all England, and I am of opinion that there is above three-quarters of that quantity now in the nation. 1 p. AUTOGRAPH

undated

307 Bond of Newton, to Henry Hines, and John Appleby junr., of £600 obliging Newton to receive thirty tons of fine British copper, within two years, and to pay for it at the rate of 18d. per pound. 2 pp.

27 Aug. 1717

308 NEWTON. "Observations upon the estimate of the real profit of coyning 1,500 tunns of copper into half-pence and farthings." Estimating that the "profit in coyning 1,500 tonns amounts unto £84,000, out of which something may be abated for house rent, clerks, coyning tools and incidents," and another Estimate computing the profit at £97,000. BOTH AUTOGRAPH, on 3 pp.

undated

Lot 327 continued.

- 309 NEWTON. Memorandum of seven matters to be observed in coining and issuing copper moneys. 1 p. AUTOGRAPH *undated*
- 310 Letter from Charles Parry to Newton, offering to hammer farthings at 21½d. per lb. 1 p. 8 April 1711
- 311 NEWTON. Autograph Draft of a letter to the Lords of the Treasury respecting as estimate for coining farthings. 1p. *undated*
- 312 NEWTON. "An Estimate of charges in coining of copper money." 1 p. AUTOGRAPH *undated*
- 313 NEWTON. Memorandum respecting three several lots of tin farthings, 2 pp. AUTOGRAPH 1 Nov. 1700
- 314 NEWTON. Another estimate of charges for coining copper money, and Notes, on 3 pp. AUTOGRAPH *undated*
- 315 NEWTON. A Memorandum respecting allowances and terms for coining copper money, 1 p. AUTOGRAPH *undated*
- 316 NEWTON. Memoranda (in Sir Isaac Newton's handwriting) respecting charges for coining copper; and on the same sheet the Draft of a Report on the VISITATION OF THE ROYAL OBSERVATORY, GREENWICH:
". . . We take the liberty to represent to you that in the great room of the Observatory, up one pair of stairs, there are two clocks which Sir Jonas Moor caused to be made for the Observatory, as we understand by the inscription upon them, but which are claimed by Mr. Flamsteed as given to him by Sir Jonas Moor the Younger. If they be not the Queen's, we desire that they may be purchased as necessary for the Observatory. In the same room there is a brass quadrant of four foot radius belonging to Mr. Flamsteed. And such an instrument is necessary for observing the altitudes of the stars. It is not well divided, but if it can be divided anew, we desire that it may be purchased for the Observatory, or else that a new one be made. In the same room there is also wanting a telescope of about xx feet radius, with a micrometer. In the garden there is a house with a sextant, a wall quadrant, with a clock therein. The house should be moved six or eight yards further from the brow of the hill that the ground may not sink under it. The sextant is grown rusty, and should be cleaned and new fixed, and there should be a new wall quadrant, the old one being much worn by long usage, and belonging to Mr. Flamsteed. The clock is also Mr. Flamsteed's, and a better clock would be more usefull . . ."
on 4 pp. AUTOGRAPH *undated*
- 317 NEWTON. Memorandum, respecting a coinage of copper money written on the back of a printed notice paper calling a meeting on 15 Aug. 1717, of "Lords and others, the Commissioners appointed by His Majesty for building the fifty new churches in and about the Cities of London and Westminster." 1 p. AUTOGRAPH

Lot 327 continued.

- 318 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, respecting a proposal and estimate for coining copper, and on the same sheet some notes for a scheme of education for the boys "in the School of Mr. Stone's Foundation." Also three slips of memoranda used in papers (already mentioned) respecting coinages of copper. *No dates*
- 319 NEWTON. Autograph Copy of Letter 301, 1 p. 12 April 1714
- 320 NEWTON. Miscellaneous Notes on the coinage of copper, 4 pp. *undated*
AUTOGRAPH
- 321 Treasury Warrant addressed to Newton, directing him to deliver "a cutter" to Henry Hines, a contractor for supplying the Mint with copper. 1 p. 11 Sept. 1717
- 322 Certificate of the quantity of copper sold to Appleby and Hains since 7 March last, for coining halfpence and farthings, with 3 slips of Notes (in the hand of Newton) 1 June 1722
- 323 NEWTON. Two Autograph Drafts of a Letter to the Lords of the Treasury, submitting a scheme for coining copper moneys, 3 pp. *undated*
AUTOGRAPH
- 324 NEWTON. Two Copies of a Memorandum respecting various kinds of copper and copper money, 2 pp. *undated*
AUTOGRAPH
- 325 NEWTON. Autograph Draft of "The Memorial of Sir Isaac Newton to Rt. Hon. the Lords Commissioners of His Majesty's Treasury," respecting the coinage of copper money, 1 p. *undated*
- 326 NEWTON. Another Memorandum respecting the coinage of copper money. 1 p. *undated*
AUTOGRAPH
- 327 NEWTON. "Considerations about the Coynage of Copper Moneys," 1½ pp. *undated*
AUTOGRAPH
- 328 NEWTON. "Observations upon the Estimate of the neat profit of coyning 1,500 tunns of Copper into half-pence and farthings," 2 pp. *undated*
AUTOGRAPH
- 329 NEWTON. "Considerations about the Coynage of Copper Moneys." 2 pp. *undated*
AUTOGRAPH
- 330 NEWTON. Autograph Copy of a Letter to the Lords of the Treasury respecting the coinage of copper money, 1 p. May 1717
- 331 NEWTON. Autograph Copy of another Letter to the Lords of the Treasury respecting the coinage of copper money, 2 pp. *undated*

Lot 327 continued.

- 332 NEWTON. Three Autograph Drafts of another Letter to the Lords of the Treasury respecting the coinage of copper money, 5 pp. and Autograph Notes on the subject, *on 4 pp.*
undated
- 333 Letter written (at the order of the Lords of the Treasury) by C. Stanhope, to the officers of the Mint, referring to several proposals for supplying copper. 1 p. *July 1717*
- 334 A Collection of Proposals from various persons for supplying copper for coinage, and Letters and other Papers on the subject, including the Proposals of William Wood, [and his Petition, 4 June 1719, Memorials, etc.]; Gabriel Ayres, 8 June 1717; Mr. Hind; Thomas Chambers; "M. F."; John Essington and H. Robinson; John Parker & Partners; Henry Neale; James Bertie; John Applebee; Richard Jones; Jonathan Holloway; etc., *on 36 pp.*
- 335 Particulars of the charges for repairing and fitting up the Irish Mint for the coinage of copper. 1 p. *undated*
- 336 NEWTON. A Proposal [to Parliament for the coining of copper into farthings and half-pence]:
"Farthings and half-pence being very scarce, inasmuch that publick houses are forced to use tickets, and it having been thought necessary to coin one hundred tons of copper per ann. for ten years, for supplying Great Britain, Ireland, and the Plantations, several proposals have been made for the doing thereof, all of which have been calculated for private advantage only without any regard to the publick."
and " [Four] Considerations upon the foregoing Proposal,"
2 pp. AUTOGRAPH *undated*
- 337 NEWTON. " PROPOSALS FOR COYNING HALF PENCE AND FARTHINGES OF COPPER FOR THE ENGLISH PLANTATIONS IN AMERICA,"
1 p. AUTOGRAPH *undated*

[See ILLUSTRATION.]

Proposals for coining half pence & farthings
of Copper for the English Plantations in
America.

That copper half pence & farthings be coined in the Town
according to the intrinsic value of Copper in the several Plantations
and charge of coynage w^{ch} charge will be about six pence half
penny per pound weight Averdupois. The value of y^e Copper to be certified
from the Plantations.

That y^e farthings be stamped on y^e reverse with such a
stamp as shall be agreed upon by the Governours & Councils of
the several Plantations wth y^e approbation of the Council of
Trade.

That they be sent in her Maj^{ties} Men of War & Convoys
in such quantities only as the Governours of the several Plan-
tations or their Order shall from time to time write for, so y^t
the Plantations may not be overstockt nor want.

That a Premium be allowed suppose of 2 or 3 per cent
if her Maj^{ty} please, to those men who shall receive them from
the Captain of the ship & pay for them.

That all this be done if her Maty please & for that end
be laid before my L^d High Treasurer by the Officers of y^e Mint.

The Governours of y^e Plantations, certify the price of Copper
in their several Governments.

Lot 327 continued.

- 338 A comprehensive Report to the Lord Treasurer on all the various recent proposals, and the several Mint reports on these proposals, for improving and multiplying the copper coinage, an important document, containing some corrections in the hand of Newton, $2\frac{1}{2}$ pp., with AUTOGRAPH NOTES on the subject, *on 4 slips* *undated*
- 339 NEWTON. Two Autograph Drafts of a Bond accepting copper for the Mint, *on 1 p.* *undated*
- 340 Draft of a Letter respecting the petition of Messrs. W. Shepard, N. Shepard, and George Freeman for a patent to coin forty or fifty tons of copper, *1 p.* *5 April 1705*
- 341 Copy of a Letter from Newton to the Lord Treasurer, concerning in the best manner of importing copper into the Mint to be coined into copper money, *22 Jan. 1713*; and "Mr. Bertie's Memorial about Assaying Copper," *24 Apr. 1714*, *4 pp.*
- 342 NEWTON. Collection of Extracts from the Journals of the House of Commons [1694-1708] concerning the coinage and utterance of farthings, *2 pp.* AUTOGRAPH
- 343 NEWTON. Detailed Estimate of the charge of coining copper, *1 p.* AUTOGRAPH *undated*
- 344 Letter from the officers of the Mint to the Lord Treasurer, on the proposal of Abel Slaney, for a new coynage of 700 tons half-pence and farthings, *1 July, 1703*, and other similar papers, *9 pp.*
- 345 NEWTON. Four Autograph Drafts of Letters, etc., concerning various Proposals for the coinage of copper, *5 pp.* *undated*
- 346 NEWTON. Autograph Copy of a Letter to the Lord High Treasurer, respecting the proposal of Charles Tunnah and William Dale for coining in ten years a thousand tons of halfpence and farthings of "an artificial metal which toucheth like ordinary gold." *1 p.* *23 Jan. 1713/14*
- 347 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, concerning proposals for the coinage of half-pence and farthings, *1 p.* *3 Aug. 1717*
- 348 NEWTON. Autograph Draft of a Letter concerning proposals for supplying the Mint with copper for coinage, *1 p.* *undated*
- 349 NEWTON. Autograph Draft of a Letter concerning the Petitions of John Perry and others for supplying copper, *2 p.* *undated*

Lot 327 continued.

- 350 NEWTON. Autograph Draft of a Warrant, enabling him to receive copper and to coin it into halfpence and farthings, 3 pp. *undated*
- 351 NEWTON. Two Autograph Drafts of a Letter to the Lords of the Treasury, regarding the proposals of Briggs & Nicholson, etc., 4 pp. *undated*
- 352 NEWTON. Autograph Copy (signed) of Letter No. 347, 1 p. 3 Aug. 1717
- 353 NEWTON. Autograph Copy (signed) of another Letter on the coinage of copper, 1 p.; May 1717; and a Rough Draft (in Newton's hand) of a Letter to the Lords of the Treasury, respecting the memorial of Mr. Appleby and Mr. Hines, with regard to the coinage of copper money, *undated*
- 354 NEWTON. Autograph Draft of a Letter on Wood's Petition, $\frac{1}{2}$ p. *undated*
- 355 NEWTON. Three Autograph Drafts (one signed) of a Letter to the Lords of the Treasury, respecting the proposals of Messrs. Appleby and Hines, 5 pp. 21 Apr. 1719
- 356 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, respecting the proposal, made last spring at the door of the House of Commons by Mr. Jones, to coin copper money, 1 p. *undated*
- 357 NEWTON. Autograph Draft of a Letter in answer to a paper delivered at the door of the House of Commons in behalf of certain petitioners to furnish the Mint with copper, and AUTOGRAPH Memoranda, etc. relating to other Petitions, on 7 pp. *undated*
- 358 NEWTON. Autograph Copy (*signed*) of a Letter to the Lord High Treasurer, respecting the memorial of the Earl of Derby for the coining of copper money, to be made current in the Isle of Man, and an Autograph Draft of the Letter, 2 pp. 25 June 1708
- 359 Letter to Newton from the Treasury, directing him to send someone to Bristol to assay the halfpence and farthings coined there by Wood for Ireland, 1 p. 10 Apr. 1724, with a Letter from Wood to Newton, 7 May, 1718, etc.
- 360 NEWTON. Two Autograph Drafts of Letter to the Lords of the Treasury, referring to dissatisfaction of Moneyers at the Mint with the privileges which it is proposed to accord to Wood, and observing that the multiplication of Mints increases the facilities of counterfeiting money, 2 pp. 29 Jan. 1722/3

Lot 327 continued.

- 361 NEWTON. Four Autograph Drafts (*one signed*) of a Letter to the Lords of the Treasury in answer to their letter of 10 April (No. 359). He suggests that the trial would be more satisfactory if, instead of being made at Bristol, the moneys (kept for trial in box under the keys of Mr. Wood and the Comptroller of the coinage) were brought up to London and tried in His Majesty's Mint in the Tower, *on 3 pp.* 13 Apr. 1724
- 362 NEWTON. Two Autograph Drafts of a detailed Report on the Trial of Wood's copper coinage for Ireland. ["We reckon the copper of Mr. Wood's half pence & farthings to be of about the same goodness & value with the copper money is coyned in the King's Mint for England"] with Notes and Calculations, *on 4 pp.*, 27 Apr. 1724, and an Account of the amount of Wood's coinage up to 28 Mar. 1724

PART 22.—MISCELLANEOUS PAPERS, DESCRIBED AS "MEMORIALS TO
THE TREASURY UPON SUNDRIES."

- 363 Letter from the officers of the Mint to the Lords of the Treasury, asking for certain allowances, and AUTOGRAPH Draft of a Letter from Newton, recommending the allowances, *2 pp* Dec. 1698
- 364 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, regarding Charles Fryth's petitions for an allowance in his accounts, and recommending that it should be disallowed, *on 3 pp.* undated
- 365 NEWTON. Autograph Copy (*signed*) of a Letter to the Lords of the Treasury, regarding Mr. Hoare's petition for an increase of salary, *1 p.* 8 Apr. 1699
- 366 Copy of a Petition from the officers of the five late country Mints, for the payment of salaries, etc., *1 p.* undated
- 367 NEWTON. Two Autograph Drafts of a Letter to the Lord High Treasurer, respecting the case and accounts of Antony Redhead, late Master and Worker of the Mint at Norwich, with Autograph Draft of another letter on the same subject; Autograph Notes relating to Redhead's account, etc. *6 pp.* undated
- 368 Draft of a Warrant, with Autograph corrections by Newton, for the release from prison for three months of Anthony Redhead, late Deputy Master and Worker of the Mint at Norwich, that he may better help in the discovery of embezzlements committed at the Norwich Mint, 26 Mar. 1700; and Counsel's opinion that Redhead cannot be released, 5 Feb. 1703/4, *2 pp.*

Lot 327 continued.

- 369 NEWTON. Two Autograph Drafts of a Letter to the Treasury, respecting the liabilities and defalcations of Anthony Redhead, *on 4 pp.* *undated*
- 370 Petitions from the Officers of the Mint for the Allowance of moneys impressed for the Country Mints, *Dec. 1698*; for an allowance to build a House in the Mint for the Surveyor of the Meltings (*signed by Newton*), *July 1707*; from the Clerks for an increase in salaries, *Dec. 1698*; etc.
- 371 NEWTON. "The late Laws about y^e Coynage" [Notes], *3 pp.*
 AUTOGRAPH *undated*

PART 23.—"PAPERS RELATING TO THE WROUGHT PLATE TAKEN INTO THE MINT BY PUBLIC ENCOURAGEMENT."

- 372 NEWTON. Autograph Memorandum on the duties of the officers of the Mint, in receiving and dealing with the plate of importers; and Three Autograph Drafts of a Memorandum respecting plate received into the Treasury of the Mint, since 14 May 1711, at the prices agreed to by the House of Commons, viz., 5s. 5d. per ounce for plate of the old standard, 5s. 8d. per ounce for plate of the new standard, and 5s. 6d. per ounce for uncertain plate, *3 pp.* *undated*
- 373 Warrant, authorizing the officers of the Mint to receive at certain rates all wrought plate that may be brought to the Mint, and requiring it to be coined immediately into shillings and sixpences, 10 May, 1711, with the Account of Plate received
- 374 NEWTON. Drafts of Instructions on dealing with the Plate received, Drafts of Letters, Warrants, Accounts, Memoranda, etc., on the same matter, *together on 49 pp.* ALL AUTOGRAPH
[1711, etc.]
- 375 NEWTON. "Proposals for settling a new standard of Plate," *on 2 pp.* AUTOGRAPH *undated*
- 376 NEWTON. Autograph Copy of Warrant for coining all gold and silver taken at Vigo and delivered into the Mint, with the inscription,
 "Vigo, in small letters under our Effigies, which we intend as a mark of distinction from the rest of our gold and silver moneys, and to continue to posterity the remembrance of that glorious action."
1 p. *undated*
- 377 NEWTON. Autograph Copy (*signed*) of a Letter to the Lord High Treasurer concerning "her Maj^{ties} Gold w^{ch} came from New England" and was coined into 2944 guineas.
 "The dust Gold was very foule & being examined with a Loadstone was found full of iron filings . . . In the Envoys the Gold is reckoned at £5. 5s the ounce, supposing it perfectly fine . . ."
1 p. 4 Mar. 1705/6

Lot 327 continued.

- 378 NEWTON. Autograph Draft of a Receipt for "his Mat^s. share of the silver taken up out of the Wreck neare the Island of Mayo," and an Autograph Note, *on 2 slips* undated

PART 24.—PAPERS RELATING TO THE PROPOSALS FOR INCREASING THE COINAGE, AND ON PAPER CREDIT.

- 379 NEWTON. "Proposals for preserving and encreasing the Coyn of this Kingdome." *on 2 pp.* and a Note, *on a slip*, BOTH AUTOGRAPH undated
- 380 NEWTON. Autograph Draft of an Act of Parliament for Regulating and Restraining the exportation of Gold and Silver from Great Britain, *on 8 large folio pp.* undated
- 381 "Reasons for new-Coyning our Money, so as to increase and preserve it, and for paying the Publick Debts." *8 pp.* undated
- 382 NEWTON. "Proposals for preserving and encreasing the coyn of this kingdom without hindring ye freedom of Trade: For preventing the exportation of more Gold & Silver than is imported." *2 pp.* AUTOGRAPH undated

[See ILLUSTRATION.]

- 383 NEWTON. "Proposals for encreasing the coyn of this kingdome." [different from No. 382]. He says that the use of gold and silver in the manufacture of clothes, coaches, and household furniture should be forbidden, and mentions that "Luxury is encouraged in the Royal Navy, it growing into fashion for the officers to have great quantities of plate on board . . ."
- 384 NEWTON. "Minutes for an Act for the further encouragement of the Coynage." *3 pp.* AUTOGRAPH undated
- 385 NEWTON. Six Autograph Drafts, varying, of "Proposals for increasing the Coyn of this Kingdom." *on 12 pp.* undated
- 386 NEWTON. "Considerations upon Trade," *1 p.* AUTOGRAPH undated
- 387 "Proposals touching the amendment of English coins," *3 pp.* undated
- 388 NEWTON. A CRITICISM OF JOHN POLLEXFEN'S THEORY OF PAPER CREDIT, *on 7 pp.* AUTOGRAPH undated

** A VERY IMPORTANT WORK, concluding:—

"Credit is a present remedy against poverty & like the best remedies in Physick works strongly & has a poisonous quality. For it inclines the Nation to an expensive luxury in foreign commodities. But good Physitians reject not strong remedies because they may kill but study how to apply them with safety & success. Let that expense be corrected by good Orders & Laws well executed & then Credit becomes a very safe and sovereign remedy . . ."

Lot 327 continued.

- 389 NEWTON. OBSERVATIONS ON MR. P[OLLEXFEN]'S REPLY (1) "On the argument against Paper Credit taken from the Course of the Coynage," 4 AUTOGRAPH DRAFTS; (2) "On the quantity of coyn in the nation," 2 AUTOGRAPH DRAFTS; (3) "Of credit, good and bad, and of the usefulness of the former," AUTOGRAPH DRAFT, with a collection of AUTOGRAPH NOTES used by Newton in drawing up his "Criticism" and these "Observations," together on 42 pp. *undated*

[END OF PAPERS IN VOL. II.]

PART 25.—PAPERS RELATING TO THE SETTING UP OF A MINT IN SCOTLAND AFTER THE UNION, AND TO THE RECOINAGE OF SCOTCH MONEY.

- 390 NEWTON. "An Account of the Scotch money," on 3 pp. AUTOGRAPH *undated*
[See ILLUSTRATION.]
- 391 NEWTON. "An Account (in Sir Isaac Newton's handwriting) of the weight and fineness of several pieces of Scotch money." *undated*
- 392 NEWTON. Questions concerning the Scottish Mint, AUTOGRAPH, with Counsel's opinion (*signed* Ja. Mountague), 1 p. Dec. 7, 1708, with AUTOGRAPH NOTES by Newton criticising in detail some proposed Indenture, on 4 pp.
- 393 Engraved Tables, by G. Brown, for calculating the value of Scotch money *undated*
- 394 12 July 1707. Copy of the warrant under the sign manual, addressed to Moneyers of the Mint within the Tower of London, authorizing them to repair the "Mint at Edinburgh, and undertake ye recoinage of ye money in Scotland," 2 pp. 12 July 1707—Memorial, concerning Her Majesties Mint at Edinburgh [1708]—Copy of the Act of Parliament, allowing the Master of the Mint of Edinburgh twenty pounds Scots upon the stone weight of silver for coining, 22 July, 1690
- 395 NEWTON. "Bill of the prices of such Tools and other things as may be usefull in her Majts. Mint in Scotland," 2 pp. and Draft of a covering Letter, BOTH AUTOGRAPH *undated*
- 396 NEWTON. Two Autograph Drafts (both signed) of a Letter to the Lord High Treasurer, respecting "the allowance to be made in the accounts of Mr. Allardes for the late coinage of silver moneys at Edinburgh." 2 pp. 14 Feb. 1709
- 397 NEWTON. Autograph Copies of the clauses in the Indenture of the Mint, appointing the allowance per pound weight for coinage at Edinburgh, etc. 2 pp. *undated*

Lot 327 continued.

- 398 Memorial concerning Salaries and other charges of the Mint of Scotland, with Schedule of Offices and Salaries, Account of the New Regulations, etc. 6 pp. [1707, etc.]
- 399 NEWTON. Autograph Draft of a Letter to the Lord Treasurer respecting a Memorial of the Mint at Edinburgh, concerning the bullion given by Act of Parliament for maintaining a free coinage there, collected by Daniell Stuart decd., and now left in the hands of his executors, on 4 pp. *undated*
- 400 NEWTON. Autograph Draft of a Letter, concerning Allowances to be made to the Master and Worker of the Edinburgh Mint, 2 pp. *undated*
- 401 NEWTON. Autograph Draft of "The account of G. Allardes, Esq., Master and Worker of Her Majesty's Mint at Edinburgh from — 1704 to — 1709." 2 pp. [1709]
- 402 Copy of a Memorial by George Allardes asking to be allowed the charges of the Moneyers sent from London to Edinburgh to coin silver moneys there, *undated*; and Two Letters from Allardes to Newton, one concerning the Memorial, 12 Feb. 1709; and the other giving reasons for the delay in presenting his Accounts, etc. 9 Aug. 1709
- 403 Letter (signed by warrant of the Committee of the "Royall burrows," by Sam Johnson Prest.) begging Newton to secure allowance to coin two-penny, three-penny, and four-penny pieces in Edinburgh, to the amount of £8,000; and a Letter from the Earl of Seafield to Newton, announcing that officers "are to sett out this day with pixis for London." 2 Aug. 1710
- 404 Copy of the Warrant to the Master of the Mint at Edinburgh, and requiring him to coin silver with dies to be sent from the London Mint,
"to the intent that the said moneys coyned in that our Mint at Edinburgh may be perfectly like those coyned in our Mint in the Tower of London, excepting the letter E set under our effigies to distinguish the moneys coyned in the said two Mints."
1 p. 20 June, 1707
- 405 NEWTON. Autograph Draft of a Letter to the Officers of the Mint at Edinburgh, concerning bullion there, etc., on 2 pp. *undated*
- 406 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, written on the announcement of the recent death of Daniel Stewart, Collector of the Bullion for the Mint at Edinburgh, recommending that the office of Collector be suppressed, and that "the said bullion should henceforth be paid by the under collectors into the hands of the Cash-keeper of North Britain." 1 p. 14 Apr. 1708
- 407 NEWTON. Autograph Notes concerning an Indenture, 1 p. *undated*

Lot 327 continued.

- 408 NEWTON. Autograph Draft of a Letter to "Mr. Montgomerie," concerning the proper persons to attend the Trial of the Edinburgh money, 1 p. *undated*
- 409 "Accompt of moneys due from Her Majestie to George Allardes of Allardes, Master of Her Majesty's Mint, for the coinage; Account of the Edinburgh Mint for the Coinage from Mar. 1705 to Oct. 1709, 6 pp. [1709]
- 410 Letter from the Earl of Lauderdale to Newton, concerning the officers of the Edinburgh Mint who "are straitned for want of their Sallaries," 1 p. 10 Aug. 1709
- 411 NEWTON. Autograph Drafts of two Letters, respecting salaries due to Officers of the Edinburgh Mint and other persons concerned in the recent coining, on 3 pp. [1709]
- 412 Accounts of Hercules Scott for the Recoinage at Edinburgh, and a Letter from him to Newton correcting an error in them, 28 Aug. 1712, 2 pp.
- 413 NEWTON. Autograph Memorandum respecting the arrangements for maintaining the Mint at Edinburgh, and remunerating its officers, 1 p. *undated*
- 414 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, stating "What we think proper to be done for setting on foot ye Coinage in the Mint at Edinburgh," 1 p. *undated*
- 415 NEWTON. Autograph Draft of a Petition for an Order in Council that the Warden of the Mint "do forthwith make . . . two Piles of Troyweight . . . in the most exact & perfect manner" (and giving directions), one to be used in Edinburgh, and the other in London, 1 p. *undated*
- 416 NEWTON. Autograph Memorandum on the need for an Order in Council for the making of six new Standard Trial Pieces of Gold and six of Silver, to be distributed amongst the Chamberlaines of the Exchequer, the Warden and the Master and Worker of the Mint in the Tower, the Wardens of the London Company of Goldsmiths, and the General and Warden of the Mint at Edinburgh, 1 p. *undated*
- 417 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, submitting certain matters relating to the Mint at Edinburgh which the Lord Chancellor of Scotland thinks "might properly be considered by the Committee of the Council which is to sit to-morrow upon ye affairs of Scotland." 1 p. *undated*
- 418 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, listing Weights, Tools, Materials, etc., required for the Mint at Edinburgh, 1 p. *undated*

Lot 327 continued.

- 419 Letter (*signed* J. Stanley) respecting measures for continuing the Mint in Scotland, and having a uniform coinage for England and Scotland, 2 pp. 23 Mar. 1706
- 420 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer concerning the memorial of the three commissioners appointed to receive all the Scots and foreign coin, see it melted into ingotts, deliver the ingotts by weight and assay, etc., and recommending the payment of £700 for their services 1 p. 28 Dec. 1708
- 421 NEWTON. Memoranda and lists of Tools and other articles, with prices, needed for the Mint at Edinburgh, 2 pp. AUTOGRAPH undated
- 422 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, concerning arrangements and provisions for the Mint at Edinburgh, 1 p. undated
- 423 Copy of the Indenture of the Edinburgh Mint between Queen Anne and John Montgomerie of Giffan, Master and Worker of Her Majesty's Mint at Edinburgh (*Patent dated 22 June 1710*) on the death of George Allardes, 24 pp. and 1 p. of Autograph Notes by Newton 1710
- 424 NEWTON. Autograph Copy, *signed*, of a Letter to the Lord High Treasurer, announcing that various articles for the Mint at Edinburgh "are put on board to be sent thither, excepting the weights and scales which are already made," though "the weights are not yet sized for want of authority to make and mark the standard weights," and asking for this authority, 1 p. and 1 p. of Autograph Notes 26 May, 1707
- 425 List of the salaries of the officers of the Mint at Edinburgh, 1 p. 1710
- 426 NEWTON. Two Autograph Drafts (*signed*) of a Letter to the Lords of the Treasury, recommending the issue of a sign-manual, for the payment of salaries and charges in connection with the Edinburgh Mint; and an Autograph Draft of the proposed sign-manual, 10 pp. 7 Oct. 1718
- 427 Letter from Dr. D. Gregory to Newton, concerning the recoinage of money at Edinburgh, 2 pp. 12 Aug. 1707
- 428 NEWTON. "An Account of the money coyned in Scotland since the Restauration of K. Cha. II." on 6 pp. AUTOGRAPH undated
- 429 Memorial of William Drummond, asking that he may be preferred to the office of Master and Worker of the Edinburgh Mint; a Copy of the Grant to him of the office of Warden; Letters from Drummond, and other relative documents

Lot 327 continued.

- 430 NEWTON. Autograph Draft of a Letter written for George Allardes to the Lord High Treasurer, asking for the allowance of certain moneys which he has advanced in connection with the recoinage of Scotch money. 1 p. 4 Dec. 1707
- 431 Petition of Robert Millar for a reward "for taking in the money from the bank," and performing other duties for the recent recoinage of Scotch money; and Letters relating to the Edinburgh Mint from the Earl of Lauderdale, the Earl of Seafield, etc.
- 432 NEWTON. Autograph Copy of his Letter to the Lord Treasurer, recommending that the three Commissioners of the Scotch recoinage be paid £360 for their services, 1 p. 30 Jan. 1708
- 433 NEWTON. Two Autograph Drafts of a Letter to the Lord High Treasurer, respecting the memorial of the three Commissioners; and Autograph Draft of another concerning the payment of moneys to Dr. Gregory, 3 pp. undated, and 14 Apr. 1708
- 434 NEWTON. Autograph Draft of a Letter from Sir Isaac Newton accompanying a Memorial directed by the Lord Chancellor of Scotland to be laid before the Committee of the Privy Council on Scotch affairs, 1 p. 31 May 1707
- 435 Copy of the Warrant appointing Thomas Seabrook, Henry Haley, and Richard Collard, three of Her Majesty's moneyers of the Mint in the Tower of London, to go to Edinburgh "so that there may not be the least difference betwixt the coynes of the two Mints," and other relative Documents
- 436 NEWTON. Autograph Draft of a Letter to the Lord Treasurer about bullion in the Edinburgh Mint, collected by Daniel Stuart, deceased, and now in the hands of his executors undated
- 437 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, proposing that one of the clerks of the Mint in the Tower of London should be sent to Edinburgh to instruct the officers and clerks there in the London method of assaying, rating, standarding, and book-keeping 23 June 1707
- 438 NEWTON. Autograph Draft of a Letter to the Treasury, reporting on orders of reference (dated 3 August and 2 September 1723) that a new manual must be procured for putting in force the indenture between the late Queen and the Master of the Mint in Edinburgh, and that £2,100 must be imprest for the service of the Mint there. 12 Sept. 1723
- 439 NEWTON. Autograph Draft of the Royal warrant for the payment of arrears of salaries to the officers of the Scotch Mint and for the coining of the moneys of Scotland in every particular like the moneys of the London Mint, save that the letter E is to be set under the Royal effigies. 1 p. 1718

Lot 327 continued.

- 440 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, respecting the allowance to the late Master and Worker of the Edinburgh Mint in his accounts for the late coinage of silver money *undated*
- 441 NEWTON. Autograph Drafts of Four Letters to the Lord Treasurer, concerning arrangements and allowances for the recoinage of Scotch money. 6 pp. *undated*
- 442 NEWTON. Autograph Drafts of Two Letters concerning the scale of payments for the Scotch recoinage, etc. 6 pp. *undated*
- 443 Letter from the Commissioners in Scotland to Newton supporting a petition for "a third per cent. of all money passing through their hands," in remuneration of their services and charges, 29 Sept. 1708, and other relative papers
- 444 NEWTON. Autograph Drafts of Four Letters to the Treasury, respecting the allowances and salaries of officers of the Scotch Mint, on 4 pp. *undated*
- 445 Letters from Patrick Scott and others to Newton, regarding matters of practice in the Edinburgh Mint 1708
- 446 Proclamation [printed] calling in various Scotch moneys for recoinage, 1 p. 1708
- 447 Report by D. Gregory on the arrangements he has made for recoinage the Scotch moneys, 13 Dec. 1707; Memorial from G. Allardes, concerning his duties; and other relative Papers
- 448 NEWTON. Autograph Copy of a Letter recommending the appointment of Dr. Gregory, Professor of Astronomy at Oxford, to oversee the first operations for recoinage the Scotch money at Edinburgh, 1 p. 23 June 1707; Copy of the Warrant appointing Gregory to these duties, etc.
- 449 Letters to Newton from James Clark, engraver and sinker, and from other servants of the Edinburgh Mint
- 450 NEWTON. Memorandum of work done by and payments made to the moneyers of the Edinburgh Mint, 1 p. *undated*
- 451 NEWTON. Two Autograph Drafts of a Warrant requiring the officers of the Edinburgh Mint to coin silver, 1 p. *undated*
- 452 NEWTON. Two Autograph Drafts of a Letter to the Lord Treasurer, relating to the business of the Scotch Mint to be laid before the Committee of Council for the affairs of Scotland, one of the matters being "whether the Pix of that Mint may be still tried before Her Majesty's Council in Scotland as formerly," and an Autograph Copy, signed Is. Newton, Jn. Ellis) of the same letter, on 5 pp. 31 May 1707

Lot 327 continued.

- 453 Schedule of bullion balances resting with those who were receivers and collectors at the ports before 1 May 1707
- 454 NEWTON. Autograph Copy, *signed*, of the Letter No. 438, 1 p.
13 Sep. 1723
- 455 NEWTON. Three Autograph Drafts of a Letter to the Lords of the Treasury, regarding the Petition of Mr. William Hamilton to be restored to his former place in the Mint at Edinburgh, 3 pp. *undated*
- 456 NEWTON. Two Autograph Schedules of Salaries and Fees payable at the Edinburgh and London Mints, and Notes, *on* 4 pp., and a Letter to Newton from the Earl of Lauderdale concerning the Edinburgh accounts, 27 Feb. 1729
- 457 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, containing full particulars of the shipment of tools and apparatus, the despatch of moneyers from the London Mint, and the departure of Dr. Gregory for the recoinage at the Edinburgh Mint 1 p.
- 458 NEWTON. Autograph Draft of a Warrant addressed to the Earl of Lauderdale, General of the Mint of Scotland, for the payment of salaries and allowances to the officers there, 1 p.
Nov. 1718
- 459 NEWTON. Three Autograph Drafts of a proposed Supplementary Enactment "for continuing the former Acts for the encouragement of the coinage," etc., *on* 10 pp. *undated*
- 460 NEWTON. "Extracts out of an Act of the first Parliament of King James VII. chap. xxiv., anent a free coinage," *on* 2 pp.
AUTOGRAPH
- 461 NEWTON. "Considerations about the receiving of Scotch money by weight." *on* 2 pp. AUTOGRAPH *undated*

PART 26.—PAPERS RELATING TO SIR JOHN ERSKINE'S SILVER MINES
IN SCOTLAND.

- 462 Copy of the Report of Dr. Justus Brandshagen, James Hamilton, and Thomas Hamilton, concerning a Survey and Trial "of the Mine with the Mountain about it, called Sir John Erskine's Mine in the Parish of Alva, five miles from Stirling East and by North," 14 Jan. 1716/17. Brandshagen says of the ore:—

"I found it of an extraordinary nature, such as to my knowledge few or none like have ever been seen in Europe. It consists of sulphur, arsenic, copper, iron, some lead, and good silver. Of all these the silver is only to be regarded, for the other minerals and

Lot 327 continued.

metals contained in the ore are of little value, and not worth the charges to separate and keep them."

Attached to the report are a plan of the works of the mine, a written "Description of the Mine," and a tabular "Account of Ore Assayed at Alva." Also, a Note (*signed* Cromortie) respecting the gold mines of Scotland, calling attention to the following mention of them taken from some unnamed source :

"In this King's reign Gold Mines were found in Crawford Moor by the Germans, which afforded him great sums. They would not refine it in Scotland; but, after they had bargained with the King, they carried over the ore with them to Germany. Besides those mines in Crawford Moor we have an account of others not far from it. In King James the 4th.'s reign the Scots did separate gold from sand by washing. In King James the 5th's time, 300 were employed for several summers in washing of gold, of which they got about 100,000 pounds of English money. By the same way the Laird of Marchistone got gold in Pentland Hills; great quantity has been got in Langham Water, fourteen miles from Ledd-hill-house in Crawford Moor, and in Megget Water, twelve miles and over Phinland, sixteen miles from that house, and in many other places where pieces of gold of 30 ounces weight have been found which were flat, mixed with the sparr, some with keel, and some with brimstone."

- 463 Instructions for the Survey and Trial of Sir John Erskine's Mine, etc., with additions in Newton's hand 3 Sept. 1716

- 464 NEWTON: Autograph Report of Information received from James Hamilton about Sir John Erskine's Mine.

"The mine is just opened . . . In it are two veins of ore . . . From these two veins Sir John Erskine had the ore out of which he received 134 ounces of fine silver . . . And after Sir John went to the rebels, Mr. Hamilton, by order of the Lady Erskin, had the oversight and direction of four miners who dug the ore from those two veins about four months together or something above, and put it up in old casks (hogsheads and barrells, &c.) to the quantity of about 40 tunns of ore, more or less, and hid the casks on the north-west side of the house, just by the gate of the house. . . ."

- 465 NEWTON. Autograph Draft (*signed*) of a Letter concerning the payments made to Justus Brandshagen for his services, 1 p. [1717]

- 466 NEWTON. Autograph Draft of a Letter recommending Brandshagen and the two Hamiltons be instructed to smelt the ore buried in casks by Sir John Erskine's house, if they can satisfy themselves that the yielding of the ore will cover the charges of smelting, and an Autograph Schedule of the incidental charges of the trial of the ore and mines at Alva, 4 pp. [14 Nov. 1716]

- 467 NEWTON. Autograph Copy of James Hamilton's Plaint in the suit of Hamilton v. Newton, seeking to recover £52 10s. 0d. from Newton for expenses, 2 pp. 1723, with a copy of the Warrant, 20 Aug. 1716, settling the allowances due to Brandshagen and Hamilton, etc., and many other Papers relating to the dispute

Lot 327 continued.

- 468 NEWTON. Autograph Copy (*signed*) of his Letter to the Lords of the Treasury, showing that the late Dr. Brandshagen was in his lifetime fully paid for his service to the Crown, and that no money is due from the Treasury to his estate, 1 p.
18 May 1724
- 469 NEWTON. Four Autograph Drafts of an official Narrative of all the proceedings of the Treasury and Mint in the employment of Justus Brandshagen and the two brothers Hamilton to view Sir John Erskine's silver Mine, on 14 pp. *undated*
- 470 NEWTON. Autograph Copy of the Letter, No. 466 14 Nov. 1716
- 471 NEWTON. Two Autograph Drafts of a Letter concerning payments made to Brandshagen and the brothers Hamilton, with receipts signed by them
- 472 NEWTON. Autograph Draft (*signed*) of a Letter giving a full account of the assay of ore from Sir John Erskine's Mine, and estimating its value. 1 p. *undated*
- 473 NEWTON. Autograph Draft of a Letter describing a vein of ore at Alva, 1 p. *undated*

PART 27.—PAPERS RELATING TO THE DESIGN OF THE COINAGE.

- 474 Copy of Warrant addressed to Thomas Neale, Master of the Mint, for impressing the silver coins, viz. the five shilling piece, the two shillings and sixpence piece, the shilling piece, and the sixpence piece with the Royall arms, etc.
- 475 NEWTON. Autograph Copy of a Warrant for coining gold and silver in the manner "depicted in a draught," 1 p. *undated*
- 476 NEWTON. Two Autograph Drafts of a Letter to the Lords of the Treasury concerning designs for the reverses of the half guineas and sixpences, and Autograph Draft of another Letter asking for orders and directions for preparing designs for the money, "as soon as his Majesty's arms are settled," 2 pp. Jan. 1714/15
- 477 Copy of a Warrant for coining gold and silver money "by way of the mill or presse with letters or grainings about the edges or thicknesses of the pieces," 17 May, 1662, and a similar Warrant, dated 5 Feb. 1662
- 478 NEWTON. Autograph Draft of a Letter giving an account of the Warrants he has met with "for altering the coyn upon emergent occasions," 1 p. etc., *undated*
- 479 NEWTON. Autograph Draft (*signed*) of a Letter to the Lords of the Treasury, concerning the designs for the King's gold and silver moneys, 1 p. 30 Dec. 1714, and Autograph Notes on the designs, on 2 pp.

Lot 327 continued.

- 480 NEWTON. Autograph Draft of another Letter from him to the Lords of the Treasury, concerning the designs for the gold and silver moneys, 1 p. 17 Jan. 1714/15, with drawings of the Designs, *on 3 pieces of vellum*

PART 28.—PAPERS RELATING TO PROPOSALS FOR MEDALS.

- 481 NEWTON. Autograph Draft of a Letter to the Lord Treasurer, sending designs for medals in commemoration of Her Majesty's Coronation, 1 p. 24 Nov. 1704
- 482 NEWTON. Six Autograph Drafts, all different, of a Paper explaining the devices and mottoes of designs for Queen Anne's coronation medals, with six finished pencil drawings of Designs, and various rough pen sketches by Newton, 18 pp.; and a Letter from Hopton Haynes concerning them, 3 Sept. 1714
- 483 Devices suggested for a Medal in honour of Queen Anne, in the hand of Sir James Garth, 3 pp.
- 484 NEWTON. Notes concerning designs for Medals, *on 6 slips, undated*
AUTOGRAPH
- 485 Printed Broadside. A List of Medals struck in the reign of Queen Anne, and from the accession of George I to 1718, 1 p.
- 486 NEWTON. An Account of the Medals of fine gold made upon the Peace 1713, AUTOGRAPH, with Autograph Drafts of Letters and other Papers relating to their manufacture, disposal, etc., *on 20 pp.*

PART 29.—PAPERS RELATING TO THE PRIVILEGES OF THE MINT.

- 487 A large collection of Transcripts of early Records relating to the Tower of London and the Mint, including Warrants addressed to various Officers, Oaths, Lists of Lieutenants, Articles and Ordinances observed by the Guard, Extracts from Patent and Close Rolls, Mandates, Writs, Statutes, Orders in Council, Depositions, Accounts, Letters of Instructions, etc. etc.
- 488 NEWTON. Draft of "An humble representation of the Officers of His Majesty's Mint" to the Lords Justices, respecting "the Irish Mint" in the Tower of London, granted by several indentures and charters to the officers of the Mint, and now demanded by the Lord Lucas [Lieutenant of the Tower]; Draft of the Complaints against Lord Lucas, charging him with Violations of the Privileges of the Mint, and other similar Papers, IN THE HAND OF NEWTON, 12 pp. *undated*

Lot 327 continued.

- 489 NEWTON. Autograph Copy of a Letter from the Ordnance Office concerning "ye House belonging to ye smith of the Office in the Mint," 1 p. 2 Dec. 1699
- 490 NEWTON. List of bills and fee-books, recording payments for work done by blacksmiths in the Mint; brought together to demonstrate the title of the Mint to the house occupied by the smith of the Ordnance Office, *on* 3 pp. AUTOGRAPH
- 491 Documents relating to the encroachment on the quarters of the Mint by the Ordnance and the Lieutenant of the Tower, *a large number*
- 492 Documents relating to "Foreigners" [*i.e.* to persons inhabiting houses or lodgings "between the two Mint gates," but having no employment in or connection with the Mint], *a large number* (including 9 pp. IN THE HAND OF NEWTON)

PART 30.—MISCELLANEOUS PAPERS.

- 493 NEWTON. An Enquiry into the Contention of Merchants that they should not be taxed for the duty they pay the King, but only for the excess of the value of their goods above the duty, 1 p. AUTOGRAPH; Autograph Notes on how to find the net duty on East India Goods, etc., *on* 4 pp. *undated*
- 494 NEWTON. Two Autograph Drafts, signed, of a Letter to the Lord High Treasurer, reporting against Mr. White's proposal for preventing the counterfeiting of stamped paper,
 "For whereas he proposes to paste or glue a mill mark upon the paper, this mark thus becomes a faint one, not well to be seen unless by holding the paper between the eye and the light, and it is also unornamental, appearing on the paper like a patch. And for these reasons it will not please the people."
 2 pp. 15 May 1704
- 495 IRELAND. "The intended Report of the Councill of Trade to his Excellencie the Lord Lieutenant and Councill of Ireland." [An important Paper on the population, wealth, resources and social condition of Ireland], 11 pp., with Table of the "Produce of the Revenue" 25 Mar. 1673
- 496 NEWTON. A Scheme of the Trade as it is at present carried on between England and France:
 "By the account above your Lordship may perceive that the Linen and Silk Manufactures only imported from France amounts to upwards of £800,000, and that the Manufactures of Wool and Silk exported from England thither doe not amount to £85,000; as also that all the other commodities of the product and manufacture of France imported to England amounts to upwards of £320,000, besides an incredible value of toys, rich apparel, point-lace, &c., soe that it is apparent that the exports of our native commodities and manufactures to France are less in value by the least one million of pounds sterling than the native commodities and manufactures of France which wee receive from thence. And, if it please your Lordships to reflect thereupon, your Lordships will easily discern the great prejudice the English nacion hath sustained."
 2 pp. AUTOGRAPH 28 Nov. 1674

Lot 327 continued.

- 497 NEWTON. "The Case of the Parliament of Ireland." *on 3 pp.*
AUTOGRAPH *undated*
- 498 NEWTON. The Whole Charge of the Navy, from ye 1st of
September 1664 to ye last of September 1666," *on 5 pp.* AUTO-
GRAPH
- 499 NEWTON. "Accompt of ye Revenue of ye Crown for ye year
1687," 1 p. AUTOGRAPH
- 500 NEWTON. Autograph Drafts of Two Letters concerning a seal
to be engraved for the Bahama Islands, Draft of a Certifi-
cate approving of the seal; The Royal Warrant, etc. 1721-4

PART 31.—PAPERS RELATING TO TIN.

- 501 NEWTON. Autograph Draft of a Letter to the Lord High
Treasurer, describing in detail suggested arrangements "for
lodging Her Majties Tin in the Mint, and delivering it out
at a certain price and paying the money into the Exchequer."
on 2 pp. [28 Oct. 1703]
502. NEWTON. Five Autograph Drafts of two Letters to the Lord
High Treasurer, offering to act as receiver and accountant of
the tin delivered into the Mint, 6 pp. 30 Oct. 1703
- 503 NEWTON. "Considerations upon the present state of the Tin
Affair," 1 p. AUTOGRAPH *undated*
- 504 Accounts relating to shipments of tin for "Hollonds" and "the
Steights," and other similar Documents
- 505 NEWTON. Two Autograph Drafts of a Letter to the Lord High
Treasurer, containing particulars of the disposal of large
quantities of tin at Amsterdam and Hamburg.
"Mr. Drummond by a warrant dated October 20th 1704, had 400
tunns of Tin consigned to him and company at Amsterdam, to be
disposed of after the best rates, not under 44½ guilders per cwt. of
Holland (that is, not under £41 2s. 4d. per cwt. avoirdupois), for a
commission of two per cent. clear of all charges, and advanced
22,500l. upon it at 4 per cent. upon notice of its arrival at
Amsterdam."
3 pp. 28 Aug. 1711; and Autograph Notes referring to Sales
of Tin, *on 2 pp.*
- 506 NEWTON. Autograph Copy of a Petition from the Gentlemen
Owners of Tin Lands in Cornwall to the Lord Warden of
the Stannaries of Cornwall and Devon, begging him to
intercede with Her Majesty for a Convocation of Parliament
of the Tinnners of Cornwall, with a view to a renewal of a
contract for digging tin; with Autograph Draft of a Letter
referring to the Petition, 10 Nov. 1709, etc., *on 3 pp.*, and
Notes *on 4 pp.*

Lot 327 continued.

- 507 NEWTON. Autograph Copy, signed, of Letter No. 501, 1 p., 28 Oct. 1703; and Autograph Notes on the arrangements for handling the Tin, on 6 pp.
- 508 NEWTON. "An Account of the Cost and Charges of sending Tynn to Amsterdam and selling it there by Commission," three AUTOGRAPH Drafts, 8 pp. [Oct. 1712]
- 509 NEWTON. Autograph Draft of a Letter to the Lords of the Treasury, announcing that the East India Company are willing to give £7,000 for one hundred tons of tin, to be paid out of the first moneys they shall receive from the Treasury for saltpetre, 1 p. 22 Jan. 1710/11
- 510 NEWTON. "An Account of the loss which His Majesty may sustain by renewing for seven years the Contract with Cornwall and Devonshire for Tynn, now void by Her late Majesty's death." AUTOGRAPH, 4 pp. undated
- 511 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, concerning the sending of "tin in barrs to store-houses in Lisbon, Genoa, and Leghorn, for supplying Portugal, Spain, Italy, and Turkey with tin," on 2 pp. undated
- 512 NEWTON. Enquiries into Drummond's Representations as to the price of Tin in Holland; with arithmetical calculations respecting proposals based on them, on 7 pp. AUTOGRAPH
- 513 "To prove that a quantity of Tin cannot be had in the East Indies," 1 p. undated
- 514 NEWTON. A Statistical Paper, showing the amount of tin annually raised in Cornwall, and the large loss accruing to the Queen from the operations [estimated at £452,402 for 1704-5] 1 p. AUTOGRAPH undated
- 515 NEWTON. "The State of a new contract for Tin upon the supposition that no more is purchased than the consumption will annually carry off." 1 p. AUTOGRAPH undated
- 516 NEWTON. "Considerations upon the contracting with Cornwall for Tin," 1 p. AUTOGRAPH undated
- 517 NEWTON. [Considerations why King George the First should not renew the contract with Cornwall for Tin] 1 p. AUTOGRAPH undated
- 518 NEWTON. "An Abstract of the Account of Sales of 2,680 blocks of Her Majesty's Tin, sent to Messrs. Drummond and Company," 1 p. AUTOGRAPH undated
- 519 NEWTON. "The State of a new Contract for Tin," 1 p., and Notes on the subject, on 15 pp. ALL AUTOGRAPH undated

Lot 327 continued.

- 520 NEWTON. "An Account of the Tin remaining unsold in the Tower, in Holland, and at Hamburg," 1 p. *signed*, and Notes on the subject, *on* 6 pp. ALL AUTOGRAPH 25 Oct. 1715
- 521 NEWTON. Autograph Draft of a Letter to the Lord High Treasurer, recommending that the agents for the Tin Affair in Cornwall should make a test experiment on two lots of black ore of grain tin, taken from the same heap, causing the one lot to be melted in a blowing house, and the other to be melted in one of the new patent reverberating furnaces, with a view to the settlement of a controversy respecting the effect of the reverberating furnace on tin. 2 pp. April 1708
- 522 NEWTON. "The surest method for setting the price upon the Tynn at Amsterdam," and another Paper on the subject, 4 pp. AUTOGRAPH *undated*
- 523 NEWTON. "An Acct. of ye costs & charges of procuring Tynn from London & housing it at Amsterdam," *on* 3 pp. AUTOGRAPH *undated*
- 524 NEWTON. Autograph Draft, *signed*, of a Letter to the Lord High Treasurer, saying that there is room in the Mint "for coyning twenty thousand pounds a week of silver, and eighty thousand pounds a week of gold, and at the same time lodging above two thousand tunns of Tinn, without bringing any Tinn into the rooms of gold and silver." 1 p. *undated*
- 525 NEWTON. Autograph Drafts of Four Letters (*two signed*) concerning sales of Tin, 6 pp. 14 Nov. 1709, etc.
- 526 NEWTON. "An Accompt. of the cost and charges of sending Tynn to Amsterdam and selling it there by Commission," 2 AUTOGRAPH Drafts, 4 pp. *undated*
- 527 NEWTON. "An Accompt of the Tyn sold in the Tower from Lady Day to the 1st. of Sept. inst," 1 p. AUTOGRAPH *undated*
- 528 Williams (John) Merchant. "Considerations Relating to the Price of Tinne," by John Williams, merchant. [Three Essays in favour of maintaining the high price of tin, as English tin is secure from competition with cheaper tin produced elsewhere], *on* 21 pp. 1705
- 529 Tyndale (William) "Proposal for the Improvement of Her Majesty's Preemption and Coinage of Tin by raising and perpetuating the value thereof," 12 pp. 1705

[END OF PAPERS IN VOL. III.]

- 328 NEWTON. Autograph Draft of a Letter to the Treasury, giving the assays and value of Five Portuguese Gold Coins, 1 p. (written on the blank sheet of a letter addressed to Newton by G. Needham of Chester, 16 May, 1725), Autograph Draft of a Statement relating to the assay of Cornish Tin, etc., on 3 pp. etc.

- 329 NEWTON (SIR ISAAC) HIS ACCOUNTS AS MASTER & WORKER OF THE MINT FROM HIS APPOINTMENT IN 1669 TO 1726 INCLUSIVE, those from 1705 to 1725 signed (he died on 20 Mar. 1727, and the account for 1726 is made by his successor, John Conduitt), with the WARDEN'S ACCOUNTS for the same period, *each account on a double sheet, folio, mounted on guards (but now mostly detached) in a binding of contemporary mottled calf*

** Of great importance for the History of the Coinage, and of interest also as settling the much debated question of the amount of Newton's income from the Mint. It is known that he drew a salary of £500 a year as Master, and of £60 as Assay Master. In addition to these he received certain "profits," the amount of which has hitherto been conjectural. At his death he was worth about £40,000, and to account for this it has been absurdly asserted that in his old age "from greed of gain" he gambled in South Sea Stock.

The "profits" are entered as "Allowances to the Master for his waste and charges in the Coyning," and are at the rate of 6s. 6d. per lb. weight of gold coined, and 1s. 5½d. per lb. of silver. They fluctuated considerably from year to year. It appears from a clause in his Indenture that half of these allowances had to be paid to the moneyers. For 1700 they amounted to £1228 7s. 7d., but in 1701 they rose to the handsome total of £11,423 16s. 11½d. In 1702 they were £1191 19s. 11¾d., and in 1703 they dropped to £63 9s. 2d.—1714 was the peak year with £12,824 1s. 0½d. From 1700 to 1725 they total £92,995 2s. 9d.

SECTION XIII.

PORTRAITS, ETC.

SIR GODFREY KNELLER.

- 330 SIR ISAAC NEWTON, a portrait, half-length, head turned slightly to the left, looking front, in brown cloak, shirt open at the neck, wearing long curling brown wig, *in feigned oval*,
SIGNED AND DATED 1702 [30 in. by 25 in.]

** A magnificent portrait, painted in Newton's 60th year.
(No. 2 in the D.N.B. List.)

[See FRONTISPIECE.]

SIR GODFREY KNELLER.

- 331 SIR ISAAC NEWTON, IN OLD AGE, three-quarter length, full face, body turned to the left, seated writing, left hand over right wrist, wearing gown, shirt open at neck, long natural hair, *painted in oils on paper, laid down on panel* [17 in. by 11 in.]

** *cf.* Conduitt's description, "a very lively and piercing eye, a comely and gracious aspect, with a fine head of hair as white as silver."

- 332 SIR ISAAC NEWTON. Death Mask, *in glass case*



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