

The John Hersee collection of manuscript exercise books, 1704–1907

The following list is based on the original notes made by John Hersee.

Item a2

Date: 1825 circa (p. 33); no watermark

Author:

Place: possibly USA since there are references to Boston and Baltimore on p. 34 and Long Island on p. 36. Currency is £ on p. 32 but \$ on pp. 30, 33, 35.

Contents:

- p. 1 Geometrical (sic) Progression
- p. 3 Permutation
 - Extraction of the Square Root
- p. 8 Hero for triangle
- p. 9 Extraction of the Cube Root
- p. 12 Extraction of the Biquadrate Root
- p. 13 Duodecimals
- p. 16 Carpenters' tonnage; Government tonnage
- p. 24 Miscellaneous Questions

Notes:

Wide range of questions almost all 'word problems'

Item a4

Date: > 1798 (p. -1 has 1800 watermark)

Author:

Place:

Contents:

- p. 1 Compound Multiplication
- p. 7 Compound Division
- p. 17 Single Rule of Three Direct
- p. 42 The Rule of Three Inverse
- p. 51 compound Proportion
- p. 55 Practice
- p. 67 Tare & Trett
- p. 76 Bills of Parcels [first example is from Walkingame]
- p. 78 Simple Interest
- p. 84 Commission
- p. 86 Brokerage
- p. 88 Insurance
- p. 90 Buying & Selling of Stocks
- p. 92 Discount
- p. 99 Compound Interest
- p. 103 Equation of Payments
- p. 105 Barter

p. 109 Loss & gain
 p. 116 Fellowship
 p. 122 Double Fellowship
 p. 127 Exchange
 p. 164 Arbitration of Exchanges
 p. 168 Vulgar Fractions
 p. 175 Reduction of Vulgar Fractions
 p. 191 Addition [of VF]
 p. 192 Subtraction [of VF]
 p. 194 Multiplication [of VF]
 p. 195 Division [of VF]
 p. 196 Rule of Three Direct [in VF]
 p. 198 Ditto Inverse
 p. 201 Decimal Fractions
 p. 202 Addition [of Decimals]
 p. 203 Subtraction [of Decimals]
 p. 204 Multiplication [of Decimals]
 p. 206 Division [of Decimals]
 p. 208 Reduction
 p. 219 Repetends & Circulates, examples
 p. 237 Rule of Three in Decimals
 p. 238 To Extract the Square Root
 p. 244 The Use of the Square Root
 p. 254 Examples [using sq root]
 p. 256 Extraction of the Cube Root
 p. 263 Use of the Cube Root
 p. 266 Cross Multiplication
 p. 269 Mensuration of Superfices
 p. 307 Mensuration of Solids
 p. 335 Regular Bodies
 p. 340 Cylindric Rings
 p. 342 Weights & Dimensions of Balls and Shells

Sources:

Not Walkingame

Item a5

Date: watermark 1846 (pp. 3, 4)

Author:

Place:

Contents:

p. 1 Vulgar Fractions
 p. 3 Reduction
 p. 34 Addition [of vulgar fractions]
 p. 40 Subtraction [of VF]
 p. 46 Multiplication [of VF]
 p. 48 Division [of VF]
 p. 57 Decimals

- p. 58 Addition and Subtraction [of decimals]
- p. 62 Multiplication [of decimals]
- p. 66 Contracted multiplication [of decimals]
- p. 69 Division [of decimals]
- p. 74 Reduction [VF to decimals, etc]
- p. 91 Square Root

Note:

Several pages removed at end.

Sources:

Not Walkingame.

Item a6

Date: c. 1830 but watermark 1815 (pp. 65–66 and 73–74)

Author:

Place:

Contents:

- p. 1 [Simple Interest]
- p. 34 Annuities or Pensions
- p. 63 Present worth
- p. 93 Annuities taken in Reversion
- p. 105 Discount
- p. 119 Equation of Payments
- p. 121 Compound Interest

Source:

All from Walkingame.

Item a7

Date: 1850?

Author:

Place:

Contents:

- p. 1 Fellowship with Time
- p. 12 Exchange
- p. 20 Reduction of Vulgar Fractions
- p. 39 Addition [of VF]
- p. 43 Subtraction [of VF]
- p. 47 Multiplication [of VF]
- p. 50 Division [of VF]
- p. 53 Rule of Three [direct only]
- p. 57 Addition of Decimals
- p. 60 Subtraction [of decimals]
- p. 63 Multiplication [of decimals]1
- p. 67 Contracted Multiplication [of decimals]

- p. 70 Division [of decimals]
- p. 77 Reduction of Decimals
- p. 92 Rule of Three in Decimals [extra examples]
- p. 103 Extraction of the Square Root [not from Walkingame]
- p. 111 [Application]
- p. 118 Extraction of the Cube Root [not from Walkingame]

Source:

Mostly from Walkingame, but mainly just worked examples, with a few 'Rules' written.

Item a8

Date: 1850?

Author: unknown, but all Bills of Parcels (p. 51....) are made out 'Bought of Elisabeth Attersall, of Stainfield' with dates Oct 22 – Nov 27 1850.

Place: see above.

Contents:

- p. 1 Compound Addition
- p. 10 Compound Subtraction
- p. 15 Compound Multiplication
- p. 33 Compound Division
- p. 51 Bills of Parcels
- p. 60 Reduction
- p. 74 Single Rule of Three [Direct]

Source:

Walkingame

Item a9

Date: watermark 1812 (pp. 11 and 21)

Author:

Place:

Contents:

'Gauging'

- p. 25 second diagram wrong
- p. 97 dunghills!
- p. 107 ... Questions

Notes:

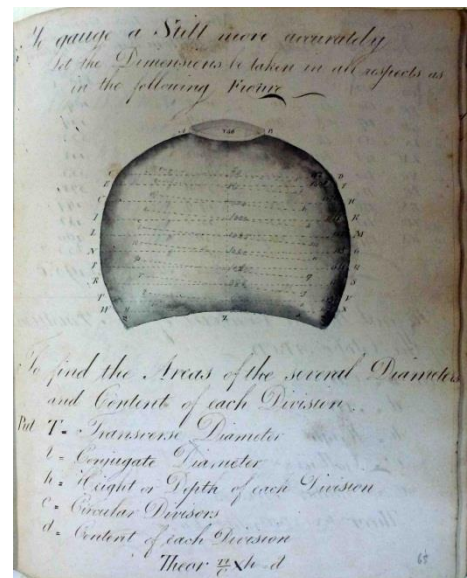
'The meaning of the word Gauging is restricted to the measuring of casks and other things falling under the cognisance of the officers of the excise; and hath received its name from a guage (sic) or rod used by the practitioners of the art.' Hutton's 'Mensuration' H26.

Many formulae (see especially pp. 74–75)

Sources:

Some links with Leadbetter (1776) (L4) but no algebraic formulae there.

See, for example L4, p. 146, fig 6 (p. 68); L4, p. 151, fig 7 (p. 65); L\$, p. 152 (p. 70)



Item a9, Page 65, gauging a still.

M30 is apparently of a later date
S27 ?

Item a10

Date: 1813? (1805 appears in question on p. 98, 1814 on p. 99)

Author:

Place: 'Westbury School Room' (pp. 86, 88); Westbury church walk (p. 73)

p. 1 Geometry Problem 1
(pp. 12–13 and pp. 16–17 missing?)
p. 17 Planimetry
p. 21 triangle?
p. 55 Board Measure
p. 58 Carpenters Work
p. 61 Partitioning
p. 62 Roofing
p. 65 Bricklayers Work – Tiling
p. 70 Walling
p. 74 Chimnies (sic)
p. 78 Joiners Work
p. 81 Painters Work
p. 84 Plasters Work
p. 87 Glaziers Work
p. 89 Masons Work
p. 91 Questions
(pp. 101–104 misplaced? Different hand?)
(pp. 106–107 missing?)
p. 114 Arithmetical Progression

Item a11

Date: 1809 (1810 on p. 47)

Author:

Place:

Contents:

p. 3 A Compendium of Arithmetic, Illustrating ...
p. 7 Multiplication of Money
p. 9 Division of Money
p. 12 Reduction
p. 16 Rule of Three Direct
p. 21 Practice
p. 33 Tare and Trett with Cloff
p. 41 Interest – Legal constraints [no compound interest]
p. 50 Commission
p. 51 Insurance
p. 53 Brokerage
p. 55 Buying and Selling of Stocks
p. 56 Compound Interest
p. 58 Discount

- p. 61 Equation of Payments
- p. 63 Promiscuous Questions in all the foregoing Rules
- p. 66 Barter
- p. 67 Loss and Gain
- p. 71 Rule of Three Inverse
- p. 73 Compound Rule of Proportion
- p. 74 Universal Rule of Proportion
- p. 78 Fellowship for Equal Time
- p. 81 Fellowship for Unequal Time
- p. 84 Exchange
- p. 103 Arbitration of Exchanges
- p. 104 Simple Arbitration
- p. 106 Compound Arbitration
- p. 110 Vulgar Fractions
- p. 112 Reduction of Vulgar Fractions
- p. 125 Addition of Vulgar Fractions
- p. 129 Subtraction of Vulgar Fractions
- p. 132 Multiplication of Vulgar Fractions
- p. 135 Division of Vulgar Fractions
- p. 137 Rule of Three Direct in Vulgar Fractions
- p. 139 The double Rule of Three in Vulgar Fractions
- p. 141 Rule of Three Inverse in Vulgar Fractions
- p. 143 Decimal Fractions
- p. 144 Addition of Decimals
- p. 146 Subtraction of Decimals
- p. 147 Multiplication of Decimals
- p. 149 Division of Decimals
- p. 151 Reduction of Decimals
- p. 156 Rule of Three in Decimals
- p. 158 Addition of Repetends
- p. 161 Subtraction of Repetends
- p. 163 Multiplication of Repetends
- p. 166 Division of Repetends
- p. 167 Cross Multiplication
- p. 173 Extraction of the Square Root
- p. 178 The Uses of the Square Root
- p. 179 drawing
- p. 195 The Cube Root
- p. 198 The Uses of the Cube Root

Sources:

Not Walkingame

Item a12

Date: 1847 (p. 66)

Author:

Place: Bradford (p. 66)

- p. 1 Greatest Common Measure

- p. 7 Least Common Multiple
- p. 12 Fractions
- p. 16 Reduction [of fractions]
- p. 38 Addition [of fractions]
- p. 44 Subtraction [of fractions]
- p. 49 Multiplication [of fractions]
- p. 54 Division [of fractions]
- p. 59 Promiscuous Exercises in Fractions
- p. 69 Proportion in Fractions
- p. 75 Decimals
- p. 82 Reduction [of decimals]
- p. 97 Recurring Decimals
- p. 101 Addition of Decimals
- p. 107 Subtraction [of decimals]
- p. 110 Multiplication [of decimals]
- p. 117 Division [of decimals]
- (pp. 118–119 missing)
- p. 120 Subtraction of Recurring Decimals
- p. 121 Multiplication [of recurring decimals]
- p. 126 Division [of recurring decimals]

Note:

p. 43 'Amen' in pencil

Source:

Not Walkingame

Item a13

Date: watermark LVG (p. 61)

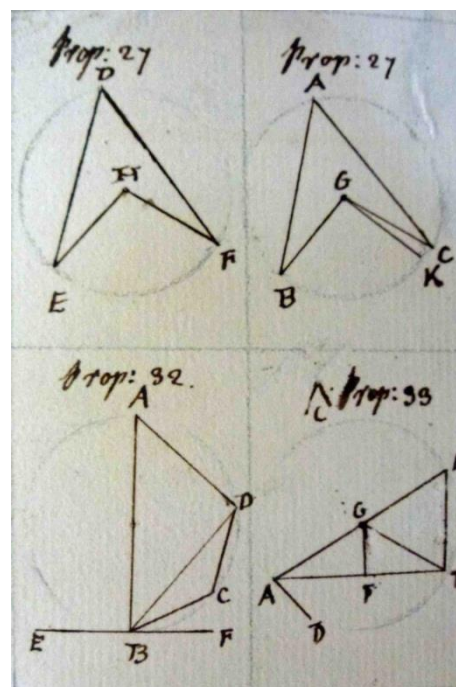
Author:

Place:

Contents:

Title: 'Euclid' on spine [Books I–III and VI of Euclid]

- p. 2 Definitions
- p. 4 Postulates, Axioms
- p. 5 Propositions 1 – 48, Theorems
- p. 31 Book the Second
 - Definitions (two)
 - Propositions, Theorems
- p. 40 Book 3
 - Definitions (eleven)
 - Propositions, Theorems
- p. 61 Diagrams
- p. 64 Book the Sixth
 - Definitions (five), Propositions, Theorems
- p. 74 Diagrams (pages missing)
- pp. 77–85 read from back of book Arithmetical questions



Item a13, part of Page 61, diagrams for Euclid's propositions.

Note:
'center' (sic)

Item a14

Date: watermark 1850 (p. 1)

Author:

Place:

Contents:

Title: Arithmetic book

p. 1 [Rule of Three Direct]

[Misc problems]

p. 41 Practice

p. 55 Tare and Tret

[p. 70 'Draft']

Item a15

Date: 1807 (p. 36 survey), 1808 (p. 57 survey), watermark 1804 (p. 13)

Author:

Place:

Contents:

p. 1 Surveying

p. 3 Surveying of Land

p. 5 Land Surveying Problem I

p. 6 Problem II

etc.

pp. 36, 37 repeats pp. 6, 7

p. 59 repeats p. 25

Note:

Foolscap size

Item A3

Date: nd (see also D2)

Author: M G Angus

Place: Westbrook School, Darlington

Contents:

Title: Mensuration and Land Surveying

p. 1 Problem 1 To find the area of a square.

p. 12 A Table of Polygons etc (radii of inscribed or circumscribed circle)

p. 17 Table of Polygons etc (areas and angles)

p. 29 Land Surveying

p. 55 Mensuration of Solids

p. 73 Mensuration of Hay Stacks

Problem 10
Given the side of a regular polygon, to find the radius of its inscribed or circumscribing circle.

Rule Multiply the given side by the number standing opposite to the name of the polygon in the third or fourth column of the following table as the case requires and the product will be the radius of the inscribed or circumscribing circle.

1. Table of Polygons &c

No of Sides	Names	Rad of the Inscribed Circle	Rad of the Circumscribed Circle
3	Triangle equilateral	0.2886751	0.5773503
4	Square	0.5000000	0.7071068
5	Pentagon	0.6881910	0.8506508
6	Hexagon	0.8660254	1.0000000
7	Heptagon	1.0382617	1.1523823
8	Octagon	1.2071068	1.3063630
9	Nonagon	1.3757387	1.4649022
10	Decagon	1.5398410	1.6180340
11	Undecagon	1.7028437	1.7747319
12	Dodecagon	1.8660254	1.9318516

Item A3, MG Angus, Page 12, Table of polygons

Item A4

Date: 1907

Author: J D Abbott

Place: near Eastbourne? (see below)

Contents:

Details of machines and electrical machines, German and English

Notes:

Inserted Formulae Sheet ;

Algebra, Mensuration, Trigonometry from Eastbourne College.

Item A5

Date: 1844–47

Author: William Adams

Place: Castle Street Academy

Contents:

p. 1 Payment orders

pp. 5 (4) – 19 and 21–24 poems

Note:

Loose sheet recording presentation of book to Master William Adams, Reading, Castle Street Academy.

Item A6

Date: 1831

Author: Miss Eleanor Alexander

Place: Fairwater School

Contents:

p. 3 Reduction

p. 60 Single Rule of Three Direct

Sources:

Not Walkingame

Item A7

Date: June 1832 (July 1832, p. 10; Jan 1833, p. 112)

Author: Master Atherton

Place: Wood-Speen? Near Newbury

Contents:

p. 3 Fellowship

p. 19 Alligation

- p. 27 Alligation Alternate
- p. 35 Alligation Partial
- p. 43 Alligation Total
- p. 49 Single Position
- p. 57 Double Position
- p. 65 Exchange
- p. 99 Conjoined Proportion
- p. 105 Promiscuous Questions

Source:

Walkingame with many extra questions.

Item B1

Date: June 1818

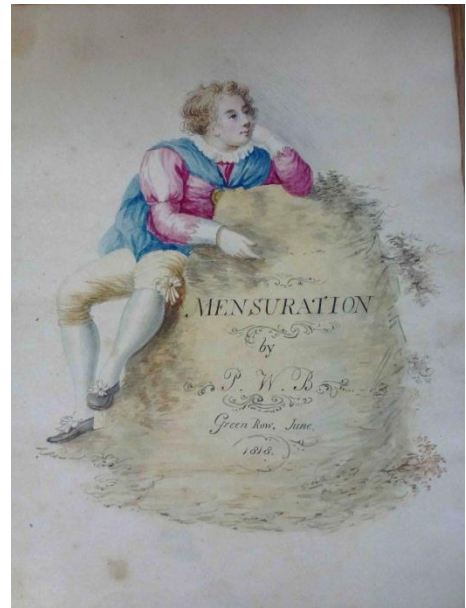
Author: P. W. B.

Place: Green Row

Contents:

Title: Mensuration by P.W.B.

- p. 1 Practical Geometry
- p. 14 Problem 1
- (p. 53 Miscounting)
- p. 67 Problems in Geometry preparatory to Trigonometry
- p. 82 folding diagram
- p. 83 Plane Trigonometry
- p. 86 Axioms
- p. 89 Modes of solutions: Geometric Constructions; Gunter; Scale & Compasses; Logarithmic Sines, Tangents.
- p. 124 Synopsis of the Six Cases of Right Angled Triangles
- p. 124 folding table
- p. 125 Solution of the Six Cases of Oblique Angled Triangles ['Four' at foot of page; perhaps a correction to 'Six'; see p. 148]
- p. 148 Table of Four Cases of Oblique Angled Plane Triangles
- p. 151 Mensuration of Heights and Distances
- p. 183 Mensuration of Superficies
- p. 250 Area of Irregular Polygons
- p. 256 Surveyed field
- p. 261 Conic Sections
- p. 279 Mensuration of Solids
- p. 350 Artificers Work
- p. 351 Bricklayers Work
- p. 356 Masons Work
- p. 359 Carpenters and Joiners Work
- p. 362 Slaters Work
- p. 365 Plasterers Work
- p. 370 Paviments Work
- p. 373 Carpenter's Rule [Coggleshall's Sliding Rule]
- p. 384 Timber Measure



Item B1, P.W.B. Green Row, Title page.

Notes:

Definition of a circle (ex Bonnycastle) p. 6;

Some pages removed (eg pp. 26–27) but apparently no loss of text;

3010 pencilled in at foot of p. 27;

Scribble on pp. 30, 31, 82;

Coloured drawings on pp. 154, 155...159. 162.. 174..

Source:

Owes much to Bonnycastle (B22) but with some extras, for example, trigonometry and surveying sections.

Item B2

Date: 1815 (watermark p. 17)

Author: Mrs Bullock

Place: Elton

Contents:

p. 1 Compound Multiplication

p. 13 Compound Division

p. 27 Reduction

p. 55 Rule of Three Direct

p. 81 Inverse Proportion

p. 91 Double Rule of Three. Heading in another hand and additions.

Heading: Double Rule of Three Miss Palmer Grone(?)

p. 93 'principal' 'ity' added

p. 94 'But' changed to 'Butter and Cheese for me'

p. 95 'for you Miss Palmer' added after 'answer'

p. 101 Practice

p. 137 Heading in different hand 'Compound Interest', but text is simple interest.

Item B3

Date: 1785–86 (see pp. 8, 184, ...)

Author: William Blen

Place:

Contents:

p. 1 Decimal Fractions

p. 5 Addition and Subtraction of Decimals

p. 9 Multiplication of Decimals

p. 18 Division of Decimals

p. 25 Reduction of Decimals (VF to dec)

p. 45 Reduction of Decimals (inverse)

p. 71 The Single Rule of Three in Decimals

p. 95 Alligation

p. 97 Alligation Medial

p. 115 Alligation Alternate

p. 125 Alternation Partial

p. 137 Alternation Total

- p. 151 Equation of Payments
- p. 163 Single Position (or 'Negative Arithmetic')
- p. 175 Double Position
- p. 185 Arithmetical Progression
- p. 201 Geometrical Progression
- p. 225 Permutation
- p. 231 Practical Questions
- p. 241 Avoirdupois Weight* (Tare, Trett, Cloff)
Other 'Measures': Apothecaries p. 277; Land pp. 279 and 285; Cloth p. 283; Liquid
p. 288; Dry p. 290; Time p. 291
- p. 258 Tare and Trett
- p. 293 Practical Questions continued [Direct Proportion]
- p. 310 Inverse Proportion
- p. 319 Practice
- p. 332 Commission and Provision
- p. 336 Brokage [see p. 3 or p. 4]
- p. 347 Simple Interest for Days
- p. 350 Compound Interest
- p. 352 Rebate or Discount

Notes:

Written in dialogue style;

Dates show rate of working;

p. 44 '...ended this book...' ? also p. 164 ?Bound up later?

p. 223 later pencil calculation

Item B4

Date: 1856

Author: Margaret Blake

Place:

Contents:

- p. 1 Application of Addition [money, length, ...]
- p. 5 Uses of Subtraction
- p. 8 Multiplication [compound]
- p. 14 Bills of Parcels
- p. 17 Compound Division
- p. 33 Rule of Three
- p. 54 Pencil sketches of flowers

Sources:

Not Walkingame

Item B5

Date: 1839

Author: John Bacon

Place:

Contents:

- p. 1 Cube Root
- p. 20 Biquadrate Root
- p. 21 A General Rule for Extracting the Roots of All Powers
- [p. 23 I object to any further by the Rule because it is to (sic) laborious.]
- [p. 25 This sum is worked by Approximation]
- p. 27 Single Position
- p. 30 Double Position
- p. 35 Arithmetical Progression
- p. 37 Geometrical Progression
- p. 52 Simple Interest by Decimals
- p. 67 Annuities
- p. 82 Discount
- p. 91 Equations of Payments

Source:

Many examples from Walkingame

Item B6

Date:

Author: Elizabeth Bradford

Place:

Contents:

- p. 1 Tables
- p. 9 Reduction
- p. 45 The Rule of Three
- p. 99 Interest
- p. 101 Compound interest 'prohibited by the law of the land'
- p. 123 Practice

Sources:

Not Walkingame

Note:

Some girl relevant questions, for example, p. 93. Connected with B10.

Item B7

Date: watermark 1820 (p. 7); 1825 (p. 85 et seq);

Author: Miss Emma Barton

Place:

Contents:

- p. 1 Reduction
- p. 31 Multiplication of Several Denominations
- p. 55 Heading missing
- p. 73 Heading missing [Compound Division]
- p. 85 Heading missing [Invoices]

p. 97 Heading missing

Source:

Many examples from Walkingame

Note:

Stationer's label inside front cover

Item B8

Date: 13.12.1871 to January 1872

Author: Master T A Bigwood

Place: Westbury Leigh Mills, Wilts

Contents:

- p. 5 Exercises in Various Rules [Word problems leading to simple sums]
- p. 23 Reduction [money, weight...]
- p. 29 Practice
- p. 53 Simple Interest
- p. 62 Commission
- p. 66 Insurance
- p. 69 Purchasing of Stocks or Public Funds
- p. 72 Purchasing of Railway Shares
- p. 77 Discount
- p. 84 Compound Interest
- p. 91 Barter
- p. 97 Profit & Loss
- p. 104 Partnership
- p. 109 Partnership with Time
- pp. 111, 112, 2 'moments' in time

Sources:

Not Walkingame, but rather whimsical situations – see
pp. 59, 60, 63, 65, 82, 83, 95, 98, 104, 106, 107, 108

Item B9

Date: April 1848

Author: Master Beard

Place:

Contents:

- p. 5 Practice
- p. 43 Tare & Tret
- p. 54 Interest
- *p. 65 Dictation
- *p. 66 St Paul's Cathedral text -> p. 72
- *p. 68 French Exercises
[p. 69 Rule of Three]
- *p. 70 French Exercises

- *p. 72 Text follows p. 66 St Paul's
- *p. 74 Exercises on Genders
- *p. 76 Text follows p. 78
- *p. 78 Text
- *p. 80 Text
- *p. 82 French Exercises
- *p. 84 French
- *p. 85 Dictation: The Spanish Armada
- *p. 86 Corrections
- *p. 88 Syntax continued
- *p. 90 French
- *p. 92 French
- *p. 94 French Exercises
- *p. 96 Syntax continued
- *p. 98 French Exercises, French text Syntax
- *p. 100 Syntax continued
- *p. 102 Syntax to p. 103

Sources:

Not Walkingame

Notes:

Disbound – pages missing;

Arithmetic on alternate pages from p. 65 onwards.

Item B10

Date: 1814 (see scrap of paper and letter, p. 179); watermark 1807 p. 10.

Author: William Bradford

Place: at Mr Aldridge's (see p. 179)

Contents:

- p. 3 Decimal Fractions
- p. 5 Addition of Decimals
- p. 9 Subtraction of Decimals
- p. 11 Multiplication of Decimals
- p. 15 Division of Decimals
- p. 21 Reduction
- p. 35 Questions (misc)
- p. 55 Latitude, Longitude
- p. 63 Plane Sailing
- p. 68 nautical calculations
- p. 89 Traverse
- p. 113 Middle Latitude Sailing
- p. 145 [Mercator's Chart]
- p. 179 Letter

Notes:

Headings missing;

Mainly nautical calculations in the main, especially p. 55 onwards;

See also **B6**.

Item B11

Date: 1777 in question on p. 35

Author: John Bretton

Contents from the front:

- p. 3 Questions in Addition & Substraction [sic]
- p. 6 Questions in Multiplication
- p. 10 Questions in Division
- p. 14 Reduction
- p. 20 Troy Weight 22 Avoirdupois...
- p. 36 The Rule of Three Direct – in rhyme
- p. 43 Inverse Proportion
- p. 46 The Double Rule of Three
- p. 50 Practice (Rule 5 missing)
- p. 60 [Simple Interest]
- p. 62 [Commission]
- p. 64 [Purchase of Stocks] ?
- p. 67 [Brokage] ?
- (p.78 removed)
- p. 79 [Compound Interest]
- p. 82 [Discount]
- p. 86 [Equation of Payments]
- p. 88 [Barter]
- p. 90 Last page from front

Contents from the back:

- p. 1 [Single Rule of Three]
- (p. 13 part page removed)
- p. 15 [Rule of Three Inverse]
- p. 18 [Practice]
- p. 29 [Simple Interest]
- p. 35 [Purchase of Stocks]
- p. 37 [Compound Interest]
- p. 41 [RebateDiscount] ?
- p. 47 [Vulgar Fractions] (page damaged)
- p. 49 [Reduction]
- p. 62 Last page from back

Source:

Walkingame at the front but not at the back

Note:

Written from front and back

Item B12

Date: 1704

Author: John Booviy

Place:

Contents:

- p. 2 Will accounts?
- p. 3 Exchange
- p. 9 Examples of Loss and Gaine
- p. 17 Loss and Gaine – the Second Head
- p. 24 The Third Head
- p. 25 The fouerth [sic] Head
- p. 27 Alligation
- p. 46 Measuring
- p. 49 Land Measure
- p. 52 Square Root Calculation
- p. 53 Decimal Arithmetick
- p. 55 Addition of Decimals
- p. 57 Subtraction of Decimals
- p. 59 Multiplication of Decimals
- p. 61 Division of Decimals
- p. 65 Examples of Measuring by Decimal Arithmetick
- p. 69 Extraction of the Square Root
- p. 73 To extract the Cube Root
- p. 77 The Use of the Square Root
- p. 80 Some Uses of Cubick Numbers
- p. 83 Rule of False positions
- p. 84 The Rule of two false Positions
- p. 93 Progression – Arithmetical Progression
- p. 94 Progression Geometrical
- p. 99 A Table Containing the Logarithms of all absolute Numbers From a Unite
to 10 000
- p. 132 Of the Index or characteristic of a logarithm
- p. 133 Various log calculations
- p. 144 Rule of 3 by logarithms
- p. 147 Proportion by logarithms
- p. 151 The Art of counting by Numbering Rods
- p. 153 Multiplication by the rods
- p. 154 Division by the rods
- p. 155 Extraction of the Square Root
- p. 157 To extract the Cube Root by rods
- p. 159 The Rule of Five
- p. 165 Various Questions
- p. 169 Arithmetical Questions
- p. 194 Text re a mathematical instrument – M Bion

Item B13

Date: 1800

Author: Thomas Bayman (Thomas given at end.)

Place:

Contents:

- p. 1 Reduction
- p. 7 Of Coins, Weights, measures, &c

[p. 17 Rule of Three]
p. 32 Practice
[p. 39 Poem]
[p. 43 Invoices]
[p. 44 Penmanship]
[p. 50 Poem]

Note:

Nice etchings on cover

Item B14

Date: 1811? (1812, p. 128; 8 December 1807, p. 111)

Author: James Bowes

Place: Leeds?

Contents:

p. 0 Rhyme
p. 1 The Rule of Three Direct
p. 41 Inverse Proportion
p. 47 Contractions
p. 53 The Rule of Five
p. 65 Practice
p. 95 Simple Interest
p. 103 Commission
p. 107 Brokerage
p. 111 Insurance
p. 128 Rhymes

Note:

Written as if talking to student – see pp. 3, 47, 75, 121

Item B15a

Date: nd, no watermark

Author: Master Burrington

Place: Lapford Academy

Contents:

Title: Arithemtic

p. 3 Practice (?) Case 3
p. 8 Case 4
p. 24 Simple Interest
p. 41 Brokage
p. 59 Continued [Interest]
p. 69 Compound Interest
p. 79 Rebate or Discount
p. 93 Barter
p. 105 Profit and Loss
p. 117 Vulgar Fractions

[p. 121 Reduction of V F]

[p. 169 Addition of V F]

Note:

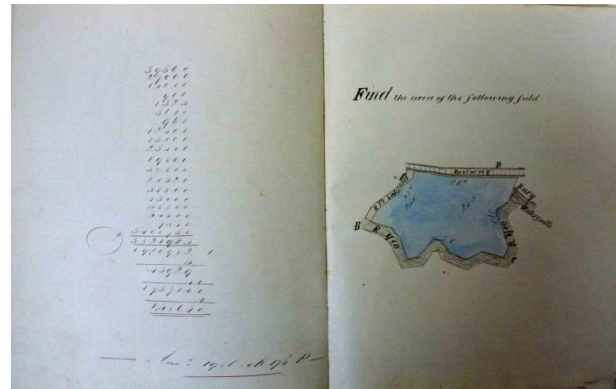
p. 151, line 4 and p. 158, line 5: words missing, suggests copying?

Item B15b

Date: nd, no watermark

Author: Master Burrington

Place: Lapford Academy



Contents:

Title: Arithmetic [but entirely surveying]

p. 3 Land surv^g (sic) [Gunter's Chain]

p. 5 The field Book

p. 9 Problem 1st To measure a field of three sides

p. 13 (to p. 77) Find the area of the following field

Item B15b, Master Burrington, Page 60-61, Area of a field

Notes:

Coloured plan with measurements followed by calculation;

All 'local', for example, many shewing R Yeo or road to Lapford.

Item B15c

Date: 1867?

Author: R Burrington

Place: Lapford Academy

Contents:

Title: Invoices Written and calculated by

Note:

Full page invoices

Sources:

Keith's Arithmetic (p. 23)

Simson's Euclid

McLeod's Arithmetic

Walkingame's Arithmetic (p. 27)

Item B15d

Date: 1890 (p. 24)

Author: R Burrington

Place: Barton Shobrooke, near Crediton

Contents:

Title: 'Rough book', but with corrections in coloured pencil

p. 1 Dictation

p. 3 Dictation

- p. 4 Composition (Edward IV)
- p. 5 Analysis
- p. 6+ Accounts of various kinds
- p. 16 Composition (Edward II)
- p. 24 Dictation (letter)
- p. 25 Composition (Edward I)
- p. 26 Places and their importance
- p. 27 Scripture
- p. 29 Composition (Henry III)
- p. 30 Arithmetic
- p. 32 Analysis (?)
- p. 33 Field with dimensions Scripture
- p. 34 Arithmetic
- p. 35 Arithmetic R Bruce spider story
- p. 36 Accounts
- p. 44 Arithmetic
- p. 45 Composition (Henry VIII)
- p. 46 Dictation (John Wyclif)
- p. 47 Arithmetic
- p. 48 History dates 1553–1568
- p. 50 Accounts
- p. 52 Dictation
- p. 53 Arithmetic
- p. 57 Scripture, answers and questions
- p. 59 Arithmetic
- p. 61 Dictation
- p. 62 History
- p. 64 Arithmetic

Item B15e

Date: 1885

Author: Master R Burrington

Place: Lapford Academy

Notes:

Handwriting exercise book;

Sentences, for example, Siam a large kingdom in the East (Indies);

No sign of marking, see pp. 18, 51;

Incomplete words, for example, p. 27;

See also **B15f**.

Item B15f

Date: 1885

Author: Master R Burrington

Place: Lapford Academy

Notes:

Handwriting exercise book;

Sentences, for example, 'Wales contains 12 counties';

Many errors – no sign of marking;

For example, 'Whate' p. 26; p. 31 errors in lines 9, 10 on p. 31; 'cathlic' p. 32;
See also **B15e**.

Item B15g

Date: 1886

Author: Robert Burrington

Place: Lapford Academy

Notes:

Handwriting exercise book;

Sentences, for example, London is the capital of England;

Errors often copied, not corrected;

40pp in a month;

See also **B15h**.

Item B15h

Date: 1886

Author: Robert Burrington

Place: Lapford Academy

Notes:

Handwriting exercise book;

See comments on **B15g**.

Item B15i

Date: 1897?

Author: Robert Burrington

Place: Lapford Academy

Notes:

Handwriting practice book;

For example, 'what is the value of' repeated ad inf initum over 12 pages;

p. 11 Mr Burrington Sandford;

See also **B15j**.

Item B15j

Date: 1897 (p. 29)

Author: Robert Burrington

Place: Lapford Academy

- p. 1 Letter to father (monthly)
- p. 17 Letter to Hanwell (?) & Bray, Wholesale tobacconists
- p. 18 figure 2 practice
- p. 21 Education is very valuable
- p. 23 Find the area of the following
- p. 24 I seldom see a noble building or any great....

Note:

Handwriting practice book;

See also **B15i**.

Item B15k

Date: 1864

Author: Robert Burrington

Place: Lapford Academy

Contents:

Draft letters

- p. 1 From an Agent to a Merchant in London & reply
- p. 2 From one tradesman to another and p. 3 reply
- p. 3 To a friend re wrecked ship and reply
- p. 5 From one tradesman to another and p. 6 reply
- p. 7 From one tradesman to a wholesaler and p. 8 reply
- p. 9 From one tradesman to a shopkeeper and p. 10 reply
- p. 11 From a merchant to his factor and p. 12 reply
- p. 13 Letter of Credit & Introduction
- p. 14 Letter of Credit
- p. 15 From Merchant in WI to his Agent in Liverpool & reply
- p. 16 From one tradesman to another
- p. 17 From a tradesman to a Gentleman
- p. 18 Request for a loan and p. 19 reply
- p. 20 From a tradesman requesting longer credit & p. 22 reply
- p. 23 Letter from an Agent to Lloyd's re shipwreck
- p. 24 Note of sales
- p. 25 Letter rendering an account
- p. 25 An order
- p. 26 Letter re shipping of goods
- p. 27 Letter remitting & drawing Bills and reply
- p. 28 Letter re Bankruptcy and further letter p. 29
- p. 29 Letter of Credit & Recommendation
- p. 30 Letter from Brothers & Co with p. 31 reply
- p. 32 various letters of invitations to teas, etc and replies
- p. 40 Two invoices.

Item B15l

Date: nd

Author: J Burrington

Place: Sandford

Contents:

Music ms book, mostly psalm settings

Item B16

Date: 4.2.1850

Author: Master William Bird

Place:

Contents:

pp. 0,1 Printed tables

p. 3 Decimals: Reduction

To reduce a Vulgar Fraction to a Decimal..

p. 5 To reduce money, weights, measure, &c to equivalent decimals

- p. 13 Rule of Three
- p. 23 Duodecimals
- p. 29 Timber Measure
- p. 43 Bricklayers' Work
- [p. 49 Masons' Work]
- p. 51 Vulgar Fractions Addition
- [p. 61 Subtraction of VF]
- [p. 65 Multiplication of VF]
- [p. 69 Division of VF] 'invert'
- [p. 73 Rule of Three]
- [p. 77 Extraction of Square Root: Involution]
- p. 81 Evolution
- [p. 85 Extraction of the Square Root]
- [p. 95 Extraction of the Cube Root]
- p. 99 Poem – John Brown
- p. 101 Poem – The Red Petticoat and the White

Note:

- p. 67 money x money

Item C2

Date: 1770

Author: Richard Calvert

Place:

Contents:

- p. 5 Reduction
- p. 9 Notation of Vulgar Fractions
- p. 11 Reduction of Fractions
- p. 21 Addition of Fractions
- p. 24 Subtraction of Fraction
- p. 27 Division of Fractions [
- [Decimals heading page missing]
- p. 30 Notation of Decimals
- p. 32 Multiplication of Decimals
- [p. 34 Multiplication methods – contracted]
- [Division of Decimals page missing]
- p. 38 Reduction of Decimals
- p. 45 The Rule of Three

Sources:

Not Walkingame

Note:

Many pages missing (alternate leaves) – very poor condition

Item C3a

Date: watermark 1832 (p. 45)

Author: Edware Chamberlain

Place:

Contents:

- p. 3 Division [Compound] (apparently not Walkingame)
- p. 18 Bills of Parcels (Walkingame plus other examples)
- p. 31 Reduction (Walkingame p. 65)
- p. 34 Troy Weight; etc
- p. 53 Single Rule of Three
- p. 81 Double Rule of Three (from Walkingame p. 57)

Source:

Some examples from Walkingame

Item C3b

Date: watermark 1833 (p. 19)

Author: Edward Chamberlain

Place:

Contents:

- p. 1 Equation of Payments (Walkingame p. 74)
- p. 7 Barter (W p. 75)
- p. 15 Profit & Loss (W p. 76)
- p. 29 Fellowship (W p. 78)
- p. 61 Vulgar Fractions
- p. 68 Reduction (W p. 92)
- p. 77 Addition [of VF] (W p. 93)
- p. 83 Subtraction [of VF] (W p. 93)

Item C3c

Date:

Author: Edward Chamberlain

Place:

Contents:

- p. 3 Division [in decimals] (Walkingame p. 99)
- p. 10 Contracted Division (W p. 100)
- p. 14 Reduction [VF to decimals]
- p. 24 Rule of Three (W p. 108)
- p. 29 Square Root (W p. 115)
- p. 59 Cube Root (W p. 119)
- p. 67 Duodecimals (W p. 159)
- p. 73 Application

Item C3d

Date: 1834 watermark (p. 71)

Author: Edward Chamberlain

Place:

Contents:

- p. 3 Practical Geometry

- p. 14 Problems
- p. 61 Land Surveying

Sources:
Not Bonnycastle

Item C4

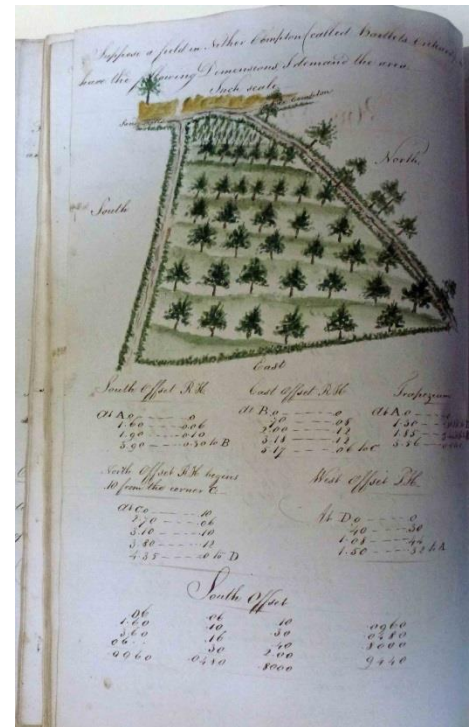
Date: 1807–08 (Start ? 8th Mo 2nd 1807 End ? 4th Mo 4th 1808)

Author: Thomas Clark

Place:

Contents:

- p. 3 Geometrical Definitions
- p. 10 Long Square (called Parallelogram) = Rectangle
- [p. 12 Date 'Research'?? note]
- [p. 14 Note] Geometrical Problems
- [p. 20 Note cf p. 12]
- [p. 28 G L Hull 1879 – also date p. 29]
- p. 39 Of Constructing Polygons (uses degrees)
- [p. 41 No construction given]
- p. 45 Of Surveying or Measuring of Land
- p. 48 Description of the Field Book
- p. 54 Fields: Parallelogram or Long Square
- p. 56 Fields: Triangles;
- p. 61 Fields: Trapeziums
- p. 65 Fields: Irregular Fields bounded straight lines
- p. 73 Offsets [loose paper pp. 74–75]
- p. 81 Any enclosure
- p. 84 Nether Compton Field
- p. 85 Nether Compton Field Bartlet's Orchard
- p. 87 'Baker's Piece'
- p. 93 Mensuration
- p. 96 Artificers' Work Glaziers' Work
- p. 102 Painters' Work
- p. 105 Plasterers' Work
- p. 108 Joiners' & Carpenters' Work
- p. 111 Measuring by the Square of 100 feet
- p. 113 Roofing and Tiling
- p. 117 Masons' Work
- p. 123 Bricklayers' Work
- p. 126 Timber Measure
- p. 129 Mensuration of Solids
- p. 135 Cube
- p. 137 Parallelopipedon
- p. 143 Cone
- p. 149 Pyramid



Sources:
Not Bonnycastle

Item C5

Date: 1.6.1790; (also 1787)

Author: Mountague Cholmeley

Place:

Contents:

Title: Geometry Book

p. 3 Axioms

p. 4 Definitions

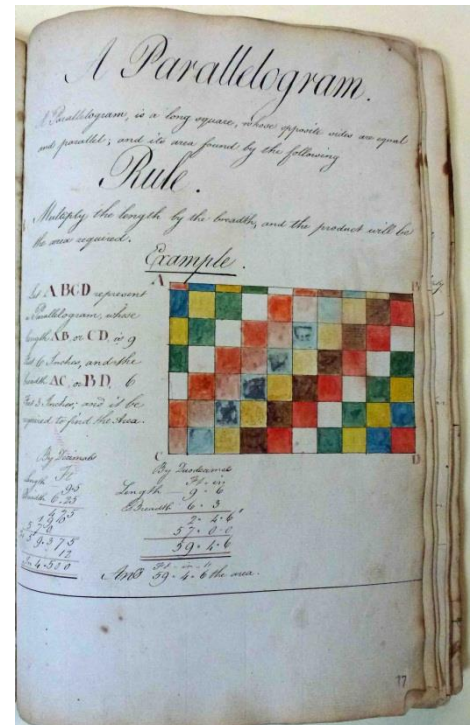
p. 10 Proposition 1 Problem: to describe an equilateral triangle on a given line

p. 11 Use to measure an inaccessible line

p. 134 Pythagoras – uses an isosceles triangle

Note:

Continues similarly; requires careful study



Item D1

Date: 25.7.1803

Author: William Davis

Place: Barnstaple (p. 144)

Contents:

p. 1 Square Root

p. 8 Square Root of a Vulgar Fraction

p. 10 **Surds**

p. 11 Square Root of a Mixt Number

p. 15 Cube Root

p. 25 Duodecimals [Addition]

p. 28 Duodecimals [Subtraction]

p. 37 Of Geometrical Definitions

p. 53 Of such Terms as are generally used in Geometry

p. 57 Postulates and Petitions

p. 75 Of Measuring or Finding the Area of Superficies

p. 129 Of measuring Carpenters Work

p. 135 Glaziers Work

* 140 Sir R Calder or The Battle off [sic] Corrunna (song)

* 143 Advert Subjects taught by William Davis

* 144 Children of William Davis

p. 145 Joiners-work

p. 149 Painters Work

p. 151 Plasterers work

p. 155 Plumbers Work

p. 157 Mensuration of Solids

Item D1, William Davis, Page 77,
area of a parallelogram

- * Frank Sharp ... Lower Totenham p. 158
 - * 162 Spelling list (1805)
- * 164 Various ms items
- * 165 Letter from Lord Hawkesbury to the Mayor of Bristol 5.7.1805
- * 165 W. Davis apprenticed to Brian Bartlett of Barnstaple 15.10.1805
and discharged
- * 167 W Davis apprenticed Barnstaple 27.8.1806 for 7 years
- * 166 Prose Passage
- * 167 Vocabulary
- p. 168 Accounts Lady Day 1805

Source:
Dilworth?

Notes:
Dialogue style;
Nice diagrams many coloured;
p. 83 definition of trapezium wrong.

Item D2a

Date: 25.8.1864; some dates in top margin, for example, Dec 2 (p. 58) , 1865 (p. 75)
Author: John James Done
Place:

Contents:
p. 1 Reduction (of money, weight, etc)
p. 59 Rule of Three

Note:
p. 53 'great pounds' = 32 lb

Item D2b

Date: 24.2.1865
Author: Master J Done
Place:

Contents:
p. 1 Simple Proportion
p. 12 Inverse Proportion
p. 24 Compound Proportion
[p. 40 Practice 8 heading missing]
p. 79 Interest

Note:
p. 85 'brokage' used without definition

Item D2c

Date: 23.5.1865
Author: Master John Done
Place:

Contents:

- p. 1 Interest
- p. 11 Purchasing of stock
- p. 18 Compound interest
- [p. 28 Rebate – heading missing]
- p. 30 Equation of Payments
- [p. 37 Barter – heading missing]
- [p. 46 ? heading missing] (gain %)
- p. 58 Fellowship
- Fellowship without Time

Item D2d

Date: 20.9.1865

Author: Master J J Done

Place:

Contents:

- p. 1 Fellowship
- p. 10 Fellowship with Time
- p. 23 Alligation
- (p. 36 Alligation Alternate)
- (p. 42 section title missing)
- (p. 47 Alligation Total)
- p. 54 Position
- Single Position
- (p. 62 Double Position)
- p. 78 Exchange

Item D2e

Date: 15.1.1866

Author: Master J J Done

Place:

Contents:

- p. 1 Exchange
- p. 10 Progression (arithmetical)
- [p. 16 Geometrical progression – heading missing]
- [p. 27 Reduction of V F – heading missing]
- p. 66 Addition of Fractions
- [p. 71 Subtraction of Fractions – heading missing]
- p. 77 Multiplication of Fractions
- [p. 82 Division of Fractions – heading missing]
- [p. 86 Rule of Three in Fractions – heading missing]

Item D2f

Date: 20.4.1866

Author: Master J Done

Place:

Contents:

- p. 1 Fractions (Rule of Three cont.)
- p. 6 Addition of Decimals
- p. 8 Subtraction (of decimals)
- p. 10 Multiplication (of decimals)
- p. 13 Contracted Multiplication
- p. 18 Division
- p. 26 Contracted Division
- p. 31 Reduction (VF to decimals, etc)
- p. 46 Rule of Three (in decimals)
- p. 65 Square Root

Item D2g

Date: 4.9.1866

Author: Master J Done

Place:

Contents:

- p. 1 Square Root
- p. 6 Cube Root
- p. 41 Biquadrate root
- p. 46 Interest by Decimals

Item D2h

Date: 1.2.1867

Author: Master J J Done

Place:

Contents:

- p. 1 Interest by Decimals
- p. 58 Discount
- p. 73 Duodecimals

Item D2i

Date: 3.6.1867

Author: Master J J Done

Place:

Contents:

- p. 1 Duodecimals (for example, Measuring by the Rod, p. 8)
- p. 15 Mensuration of Superficies
Problem 1 etc

Note:

pp. 76 and 77 need careful study

Item D2j

Date: 7.10.1867

Author: Master J J Done

Place:

Contents:

- p. 1 Mensuration of Superficies
- p. 46 Conic Sections

Item D2k

Date: 19.1.1868

Author: Master J J Done

Place: Brunswick House Academy

Contents:

- p. 1 Mensuration of Solids

Item D2l

Date: 26.3.1868

Author: Master J J Done

Place:

Contents:

- p. 1 Mensuration of Solids
- p. 7 Regular Bodies
- p. 15 Cylindric Rings
- p. 21 Balls and Shells
- [p. 41 Piling (of shot) – heading missing]
- p. 54 Architectural work
- p. 94 Vaulted and Arched Domes and Roofs

Item D2m

Date: 31.8.1868

Author: John James Done

Place:

Contents:

- p. 1 Vaulted and Arched Roofs
- p. 13 Timber Measure
- p. 28 Distance
- p. 31 Mensuration Miscellaneous
- p. 57 End of Mensuration
- p. 58 Algebra
- p. 63 Subtraction
- p. 64 Multiplication
- p. 71 Division
- p. 83 Fractions
- p. 51 Tinker Rhyme

Item D2n

Date: 26.10.1868

Author: John James Done

Place:

Contents:

- p. 1 Algebra
- p. 4 Addition [in algebra]
- p. 8 Subtraction [in algebra]
- p. 10 Multiplication [in algebra]
- p. 12 Division [in algebra]
- p. 15 Involution
- p. 36 Equations
- p. 51 Simultaneous equations
- p. 63 Word problems

Item D2o

Date: 17.2.1869

Author: Jn Jas Done

Place:

Contents:

- p. 1 Equations
- p. 25 Quadratic Equations
- (p. 27 'Adfected' – complete square)
- (p. 47 Formula – complex roots)
- (p. 53 Simultaneous quadratic)
- p. 63 Ratios
- p. 79 Proportion
- p. 86 Progression – Arithmetical Progression (with formula for sum)

Item D2p

Date: 6.5.2869

Author: John. James. Done

Place:

Contents:

- p. 1 Progression – Geometrical Progression
(with formula for finite sum, and others)
- p. 12 Infinite Geometrical Progressions
- p. 18 On the Reduction of Surds
- p. 29 Multiplication and Division of Surds
- p. 31 On the Involution and Evolution of Surds
- p. 33 On the Application of Logarithms
- p. 40 Compound Interest
- p. 45 Book Keeping by Double Entry

Item D3

Date: Midsummer 1852

Author: Master H V Done? Lowe? Howe?

Place: Alcombe School

Contents:

p. 1 Land Measuring continued

p. 77 .. blank

Item D4

Date: 1862

Author: Elizabeth Dawson

Place: Carshield School

Contents:

Title: 'Cyphering Book'

p. 1 Menai Bridge etching

p. 1 Simple Proportion [Rule of Three]

p. 43 Compoud (sic) Proportion

p. 54 Simple Proportion in Fractions

p. 59 Practice

p. 92 Commercial Allowances (Tare, etc)

p. 97 Simple Interest

Sources:

Not Walkingame

Item D5

Date: 1856?

Author: Elizabeth H Daubney

Place: Grimsby

Contents:

Title: A New Ciphering Book No 2 (pp. 14 missing)

p. 5 Arithmetic – Definitions

p. 6 Notation

p. 9 Simple Addition

p. 13 Simple Subtraction

p. 15 Simple Multiplication

p. 23 Simple Division

p. 31 Compound Addition

p. 36 Compound Subtraction

p. 40 Compound Multiplication

p. 55 Compound Division

p. 60 Addition of Weights and Measures

p. 65 Subtraction of Weights and Measures

p. 69 Multiplication of Weights and Measures

p. 72 Division of Weights and Measures

p. 75 Reduction – Reduction Descending

- p. 80 Reduction Ascending
- p. 84 The Rule of Three cf Walkingame
- p. 90 Abbreviating Rules in Arithmetic

Item D6

Date: 14 August 1857

Author: Master T Denton

Place: Mr Laurence's Academy, East Keswick

Contents:

- p. 3 Promiscuous Questions
- p. 6 pages missing
- p. 7 RH bottom corner – see *
- p. 9 Simple Proportion
- p. 10 pages missing
- p. 25 half page missing
- p. 38 pages missing
- p. 43 and 44 bottom corner – see *
- pp. 44–45 pages missing but 'J Laurence' remains *

Notes:

- * Is this the teacher's (Mr Laurence's) 'marking'?
- p. 89 'died March 1897 aged 50 years'; just possible that this refers to Master T Denton.

Item D7

Date: 1836

Author: Henry Dugdale

Place: Gisburne

Contents:

- p. 3 Mensuration of Superfices Continued Problem 13th
[Circle calculations]
- p. 35 Section 4 Miscellaneous Questions concerning solids
- p. 41 Sketches, water colours
- p. 47 Poems
- p. 67 Sketches, water colours

From back of book

- p. 3 Algebra: Definitions
- p. 4 Characters Explained
- p. 10 Addition
- p. 13 Subtraction
- p. 15 Multiplication
- p. 23 Division
- p. 29 Fractions
- p. 31 Reduction
- p. 44 To add fractional quantities
- p. 47 To subtract one fractional quantity from another
- p. 50 To multiply fractional quantities together
- p. 52 To divide one fractional quantity by another

- p. 54 Involution
- p. 18 Diameter of a circles calculated to 36 dp 'but 7854 is sufficiently correct for all practical purposes'
- p. 36 'Tinker' rhyme

Item D8

Date: 1797 - 9; June 5th 1799 (inside front cover); 1805 (p. 51) different author?;

Author: H Dixon

Place:

Contents:

- p. 1 List of hops supplied
- p. 1 Practice
- p. 26 Added text re hops, cheese, sugar, ...
- p. 31 Practice ?
- p. 32 Interest [simple]
- p. 36 Commission
- p. 39 Purchasing of Stock
- p. 42 Brokage
- p. 51 Latin text
- p. 60 Compound Interest
- p. 68 Rebate or Discount
- p. 82 Equation of payments
- p. 88 Barter
- p. 96 Loss and Gain
- p. 106 Fellowship; Fellowship without time

Note:

See also **D9**.

Item D9

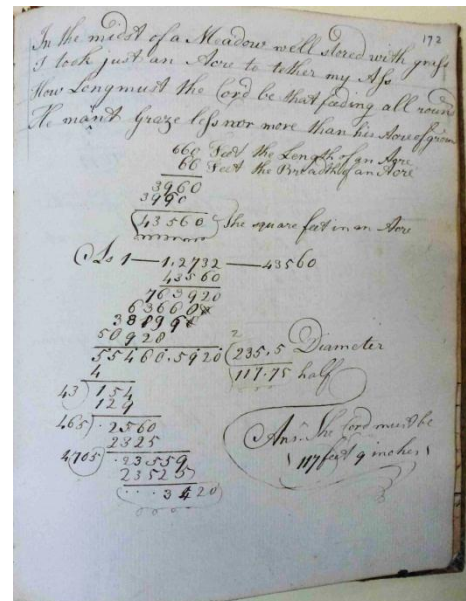
Date: 18 November 1799 to 16 April 1800

Author: Henry Dixon (aged 11 years at start)

Place:

Contents:

- p. 2 Practical Questions (misc selection from Walkingame)
- p. 34 When first the marriage knot ...'
- p. 41 Prose statement about book – 'Multiplication is not vexation ...'
- p. 42 Circles
- p. 56 To find the solidity of a Sphere or Globe
- p. 58 Mensuration of Planes & Solids
- p. 66 Proper Directions for Joiners Painters Glaziers
- p. 76 Sawyers Work
- p. 80 Bricklayers and Tilers work - Of Walling
- p. 83 Of Chimneys
- p. 85 Gable Ends



Item D9, Henry Dixon, Page 172,
Verse problem

p. 86 Paving
 p. 88 Plastering
 p. 91 Prices given
 p. 93 Land Measure
 p. 99 To Reduce statute to customary Measure
 [p. 110 Area of the Irregular figure ABCDEFG]
 p. 118 Solid measure
 p. 121 of Timber measure
 p. 126 Digging
 p. 128 of A Globe [mensuration]
 p. 143 of Solid measure
 p. 146 mention of p. 230 G1 prices given
 p. 147 To measure the Frustrum (sic) ...
 p. 149 of Guaging
 p. 160 Some Uses of the Square and Cube Roots
 p. 172 In the midst of a meadow well stored with grass ...'

Notes:

Many pages dated, showing rate of working;

See also **D8**.

Item F1

Date: 17 August 1807 to February ?

Author: Thomas Fuller

Place: Alton, Berkshire

Contents:

p. 1 The Rule of Three
 p. 27 Duodecimals
 p. 41 The Application
 p. 42 Measuring by the Foot Square
 p. 45 Measuring by the Yard Square
 p. 52 Practice
 p. 87 Fractions
 p. 90 Reduction
 p. 128 Addition
 p. 134 Subtraction

Source:

Walkingame

Item F2

Date: 1839

Author: Master Francis

Place: Chilton School, near Bridgewater? (see p. 0)

Contents:

p. 3 Reduction

p. 13	Troy Weight
p. 17	A? Avoirdupois
p. 21	Cloth Measure
p. 25	Long Measure
p. 29	Land Measure
p. 32	Wine Measure
p. 35	Ale And Beer
p. 37	Dry Measure
p. 39	Time
p. 43	The Single Rule of Three Direct
p. 60	Rule of Three Inverse
p. 68	The Double Rule of Three
p. 79	Practice

Item F3

Date: 1722

Author: Edward Foreman

Place:

Contents:

p. 1	The Simple Rule of Three*
p. 2	Direct Proportion*
p. 30	Division*
p. 31	Short Division
p. 32	Long Division
p. 39	Reduction*
p. 40	[Reduction of] Money
p. 58	[] Troy Weight
p. 63	[] Avoirdupois Weight
p. 68	[] Long Measure
p. 71	[] Cloth Measure
p. 75	[] Land Measure
p. 78	[Reduction of] Liquid Measure
p. 82	[] Dry Measure
p. 84	[] Time

Note:

* Dialogue style text;

From back of book:

p. 2 A Copy of a Letter written by our Blessed Lord and Saviour Jesus Christ

Item F4

Date: 1886

Author: Master Harvey

Place: Cambridge House, Cambridge

Contents:

p. 7	Square Root
------	-------------

- p. 19 Cube Root
- p. 32 [Compound Multiplication]
- p. 61 onwards Blank

Counting from the back

- p. 11 text in pencil: Welsh? mirror?..

Note:

A collection of miscellaneous questions; no 'Rules'.

Item G1

Date: 1857

Author: Robert Gilbertson

Place: Oswaldkirk School (p. 130)

Contents:

- p. 3 Mensuration of Superficies
- p. 3 Problem XIV To find the length of any arc of a circle
- p. 22 XV To find the area of a circle
- p. 29 XVI To find the area of a sector of a circle
- p. 27 question in rhyme
- p. 42 XVII to find the area of a segment of a circle
- p. 61 XVIII to find the area of a circular zone
- p. 75 XIX to find the area of a circular ring
- p. 81 XX to find the area of a lune...
- p. 89 XXI to find the area of an ellipse
- p. 94 XXII to find the area of an elliptical segment
- p. 98 28th Problem To find the area of a segment of a circle
- p. 103 Land Surveying
- p. 105 The Field Book

Item G2

Date: 13.5.1845

Author: Frances Gibby

Place:

Contents:

Title: 'Copy'

- p. 3 Compound Multiplication
- p. 10 The Application (from Walkingame p. 47)
- p. 19 Division
- p. 24 The Application
- p. 31 Bills of Parcels
- p. 39 Reduction [Money]
- p. 48 Troy...etc
- p. 54 'Advice'
- p. 74 Rule of Three Direct
- p. 88 Text

p. 108 The Rule of Three Inverse
p. 111 Practice
p. 132 Tare and Tret
p. 140 Simple Interest

Source:
Follows Walkingame closely

Item G3

Date: November 1871
Author: Master James Gowland
Place: Branton Green School
Title: 'Arithmetic'

Contents:

Title: 'Copy'

p. 5 Land Measure
p. 9 Dry Measure
p. 28 Wine, Ale and Beer Measure
p. 37 Invoices
p. 39 Bills of Book Debts
p. 41 Reduction
p. 53 Troy Weight
p. 48 Ale and Beer Measure
(question repeated from p. 29 but no solution here – page missing?)
p. 75 Long Measure
Decimal Fractions – Numeration
p. 154 Addition
p. 156 Subtraction
p. 157 Multiplication
p. 160 Division of Decimals
p. 168 Reduction of Decimals
p. 181 The Rule of Three in Decimals

Sources:
Not Walkingame but many familiar questions

Notes:

p. 114 Gosling not Goslings;
1? Survantos? Sold OR old(?) May 8 1820 etc;
pp. 29 30 Walkingame;
pp. 130, 136 'Learning commonly commands much admiration';
I have done this here to let you see what.... of me;
p. 186 I done this here to let you see what.... of me;
Cover offset, see **H4a**?
Bought with **H12, H13, W11**

Item G4a

Date: 10.3.1849

Author: Emanuel Gibson

Place:

Contents:

- p. 3 Single Rule of Three Inverse in VF
- p. 6 Double Rule of Three Inverse in VF
- p. 10 Decimal Fractions
- p. 15 Addition of Decimals
- p. 18 Subtraction of Decimals
- p. 20 Multiplication of Decimals
- p. 23 Division of Decimals
- p. 28 Reduction of Decimals
- p. 38 Rule of Three in Decimals
- p. 50 Extraction of Square Root
- p. 64 The Application (of sq. rt.)
- p. 78 Extraction of Cube Root

Source:

Directly from Walkingame

Item G4b

Date: c. 1849 (see 4a)

Author: Emanuel Gibson

Place: Brigham

Contents:

Title: Geometry & Mensuration Copy book

- p. 1 Geometrical Problems
Geometrical constructions and calculations presented as some 30 'Problems'
- p. 42 'Mensuration of Superficies'

Sources:

Not Bonnycastle

Note:

- p. 37 XXVIII given as XXVII

Item G5

Date: 8 May 1820

Author: John Gosling

Place:

Contents:

- p. 3 Printed tables – Thomas Pierson, Sheffield
- p. 5 Multiplication table
- p. 6 Alligation Alternate

- p. 10 Alligation Partial
- p. 14 Alligation Total
- p. 16 Position or Rule of False – Single Position
- p. 23 Double Position
- p. 31 Exchange
- p. 56 Comparison of Weights and Measures
- p. 58 Conjoined Proportion
- p. 64 Progression - Arithmetical Progression
- p. 75 Geometrical Progression
- p. 87 Permutation
- p. 89 Vulgar Fractions
- p. 90 Reduction of Vulgar Fractions
- p. 114 Addition of Vulgar Fractions
- p. 116 Subtraction of Vulgar Fractions (Fraction sic)
- p. 122 Multiplication of Vulgar Fractions
- p. 126 Division of Vulgar Fractions
- p. 131 The Single Rule of Three Direct in Vulgar Fractions
- p. 141 The Single Rule of Three Inverse in Vulgar Fractions
- p. 146 The Double Rule of Three in Vulgar Fractions
- p. 151 Decimal Fractions – Numeration
- p. 154 Addition
- p. 156 Subtraction
- p. 157 Multiplication
- p. 160 Division of Decimals
- p. 168 Reduction of Decimals
- p. 181 The Rule of Three in Decimals

Notes:

- p. 114 Gosling, not Goslings;
- 1 Survantos (?) sold (?) OR fold (?) May 8 1820 etc;
- pp. 29, 30 Walkingame?;
- pp. 130,136 ‘Learning commonly commands much admiration’;
- p. 186 ‘I done this here to let you see what..... of me;
- Cover offset, see H4a?;
- Bought with H12, H13, W11.
- {JS: these notes also appear – wrongly – with **G3**}

Item H1a

Date: 21 February 1863

Author: Henry Hitchens

Place: Address inside back cover – Mr Pass(?) Coach Factory, Wilton(?) Street, Northwich

Contents:

- p. 1 Simple Interest
- p. 8 Profit and Loss
- p. 14 Discount
- p. 19 Compound Interest
- p. 26 Commission, Brokerage, Insurance, Buying and Selling Stocks
- p. 40 Partnership
- p. 48 Reduction, Vulgar Fractions

p. 49 Stock
pp. 52– 56 cut
p. 64 Mensuration [Rectangle, rhombus, triangle]

Sources:

Not Walkingame. Contexts used for questions often interesting. No ‘Rules’ given before p. 64 – seem to be examples worked for practice.

Note:

Further not inside back cover:

Henry, let your guiding stars be Soberiety [sic] Honesty and Industry

Item H1b

Date: 12 September 1865

Author: Henry Hitchens

Place:

Contents:

p. 1 Square Root
p. 4 Mensuration [plane figures leading on to surveying type examples]

Notes:

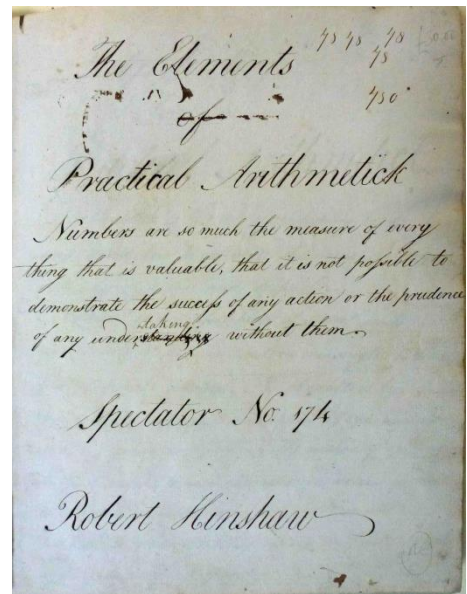
‘Device’ inside front cover ‘Sir H.. H..’;
Follows on (? With small gap) from H1a;
Recipe for cough cure inside front cover.

Item H3

Date: 1795? (see p. 5 and p. 57)

Author: Robert Hinshaw

Place:



Item H3, Robert Hinshaw, Title page

Contents:

Title: ‘The Elements of Practical Arithmetick’

p. 0 Quotation from Spectator
p. 1 Introduction to Practical Arithmetick
p. 3 Addition of Integers
p. 4 Subtraction of Integers
p. 6 Multiplication of Integers
p. 9 Division of Integers
p. 13 Of the division of money, weights and measures
p. 25 Addition of mixt applicate numbers (qq set but not worked)
p. 28 Subtraction of mixt numbers
p. 31 Multiplication of mixt numbers
p. 37 Division of mixt numbers
p. 43 Promiscuous Examples on Multiplication and Division of mixt numbers
p. 49 Computation by parts (ie Practice)
[p. 56 Invoices]
p. 64 Introduction to Decimal Fractions

- p. 65 Reduction of Decimals
- p. 73 Addition & Subtraction of Decimals
- p. 75 Multiplication of Decimals
- p. 76 Division of Decimals
- p. 79 Proportion or the Rule of Three
- p. 93 Distributive Proportion or Proportion applied to Partnership
- p. 100 Proportion applied to Barter
- p. 102 Proportion applied to Tare & Trott
- p. 104 Proportion applied to Interest
- p. 105 Simple Interest (NB principle [sic])
- p. 119 Compound Interest (Text says Compound Interest illegal)
- p. 120 Pro: app. to Discount
- p. 123 Covering Insurance
- p. 125 Prop: app. to Exchange (Exchange between various countries)
- p. 164 Finis Corronal Opus
- p. 165 et seq commentary on how cloth is measured and implications for financial matters

Sources:

Not Walkingame

Item H4a

Date: 7 May 1807

Author: William Hendey

Place:

Contents:

- p. 1 Numeration
- p. 2 Addition
- p. 3 Money
- p. 4 Troy weight
- p. 5 Averdupois
- p. 6 Apothecaries
- p. 7 Troy
- p. 8 Winchester measure (pints, quarts, gallons, firkins etc.)
- p. 9 Wine measure
- p. 10 Cloth
- p. 11 Long measure
- p. 12 Land
- p. 13 Time
- p. 14 Subtraction
- p. 26 Multiplication facts (up to 10x10)
- p. 27 12 times table, pence table
- p. 28 Multiplication
- p. 32 Division
- p. 40 Reduction
- p. 58 Gross weight Neat weight
- p. 62 Rule of 3 direct (verse cf (e) both have errors in words)
- p. 92 Rule of 3 inverse

p. 98 Double rule of 3
p. 106 Practice

Notes:

Outside cover either overprinted or offset with text about girls' charity school. (1770)

Inside front cover: William Hendy [sic] His Book May 7 1807

William Watts Harris (?) Hendy etc.

Obvious identical questions with other books;

In view of the fact that (e) has Rule of 3 at both ends, it seems likely that the books are the work of two pupils, rather than one.

Item H4b

Date: 6 February 1810 (at end)

Author: William Hendey

Place:

Contents:

p. 1 Practice
p. 26 Single Fellowship
p. 31 Double Fellowship
p. 34 Interest
p. 41 Commission
p. 43 Brokage
p. 45 Insurance
p. 47 Purchasing of Stocks
p. 49 Compound Interest
p. 55 Discount
p. 63 Equation of Payments &c
p. 69 Loss and Gain (5 cases)
p. 80 Barter (5 cases)
p. 91 Vulgar Fractions (Reduction 12 cases)
p. 125 Addition of Vulgar Fractions

Item H4c

Date: 25 January 1811

Author: William Hendey

Place:

Contents:

p. 1 Subtraction of Fractions
p. 5 Multiplication (VF)
p. 8 Division (VF) [Two rules given]
p. 11 Rule of Three (VF)
p. 19 Decimals
p. 20 Addition (dec.)
p. 22 Subtraction (dec)
p. 24 Multiplication do
p. 26 Division do (4 cases)
p. 31 Reduction of VF to dec. (3cases)

- p. 43 Rule of Three (dec)
- p. 51 Square Root
- p. 57 Square Root VF
- p. 60 Square root mixed numbers
- p. 63 Use of square root (5 cases)
- p. 79 Maypole poem
- p. 88 Cube Root
- p. 96 Cube Root VF
- p. 100 Use of Cube Root (4 cases)
- p. 113 Cross Multiplication (eg feet x feet = feet)
- p. 117 Artificers works
- p. 118 Carpenters work
- p. 121 Slaters & Tilers works
- p. 125 Plasterers work
- p. 130 Painters work
- p. 133 Glaziers work
- p. 137 Paviers work
- p. 141 Masons work
- p. 145 Bricklayers work
- p. 150 Mensuration (square)
- p. 153 Mensuration: parallelogram
- p. 157 Mensuration: rhombus
- p. 159 Mensuration: rhomboides (= gm?)
- p. 162 Mensuration: triangle(s)

Note:

Also loose; an Account Mr Ed Henday [sic] Dr to Bushill (?) Quarry?

Item H4d

Date:

Author: W Hendey

Place:

Contents:

- p. 1 Trepasiums [sic]
- p. 4 Irregular [sic] figures (polygons)
- p. 13 Polygons (regular)
- p. 15 Tables of multipliers
- p. 19 Circle
- p. 26 Addition & subtraction of decimals
- p. 28 Multiplication of decimals and vulgar fractions
- p. 29 Division of above (4 cases)
- p. 35 Square & cube root
- p. 39 Logarithms (7dp) [missing pages]
- p. 41 Proportion
- p. 42 (Powers & roots) [NB errors]
- p. 43 Evolution
- p. 44 Trigonometry (begins with sine rule in words)
- p. 51 $\frac{a-b}{a+b} = \frac{\tan(A+B)}{\tan(A-B)}$ etc

- p. 55 Surveying type applications
- p. 69 Areas: square
- p. 72 Areas: parallelogram (= rectangle)
- p. 74 Areas: rhombus
- p. 77 Areas: rhomboides [see (c)]
- p. 79 Areas: triangle (3 rules)
- p. 85 Areas: trapezium = quadrilateral (4 rules)
- p. 91 Areas: trapezoid (2 sides parallel)
- p. 93 Areas: polygons (regular)
- p. 96 Areas: circles inc. sectors
- p. 110 Areas: ellipsis
- p. 122 Surveying

Sources:

Crocker (4th edition): p. 123 is Crocker p. 130; p. 139 is Crocker p. 136.
 Surveying from Dunstone, Devon p. 1–9 from back.

Notes:

Appears to follow **H4c**, but (i) handwriting is different (ii) repeats some of previous work.
 Perhaps it was a revision book, partly.

Item H4e

Date: watermark 1803
 Author: William Hendey
 Place:

Contents:

From front p. 1	Rule of 3 direct
From front p. 27	Inverse Proportion
From front p. 32	Five numbers
From back p. 1	Rule of 3 direct [with verse of H4(a); also p. 21 matches H4a p. 82]
From back p. 30	Rule of 3 inverse
From back p. 36	Double rule of 3
From back p. 44-73	Practice [back p. 45 matches H4a p. 107]

Note:

This book duplicates work in **H4a** – does this mean that there are two pupils' work here?

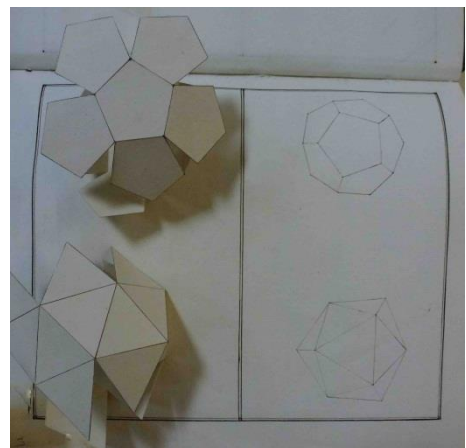
Item H5

Date: nd
 Author: Francis Hopkins
 Place:

Contents:

Title: 'First volume of raised figures by Francis Hopkins' (3D models)

- p. 3 Normal to a plane two planes intersecting
- p. 9 Pentagonal prism
- p. 11 Cones



Item H5, Francis Hopkins, Page 17, Models for dodecahedron, icosahedron.

p. 13 Circular cylinder, Cube
p. 15 Tetrahedron, Octahedron
p. 17 Dodecahedron, Icosahedron
p. 19 Further models with planes
p. 26ff blank

Item H6

Date: 1868

Author: Miss Hargrave

Place: At M Monk's Seminary, Regent Street, Oldham

Contents:

p. 5 Application [Bills]
p. 10 letter followed by Bill
p. 16 Division (of whole numbers)
p. 27 Application
p. 30 Compound Division
p. 44 Reduction [money; Avoirdupois weight; etc]
p. 76 Time [lat & long type questions]
p. 79 Proportion
p. 83 ref to Rule of Three Inverse

Sources:

Not Walkingame

Notes:

p. 18 notation for division: $7) - (6784$
p. 28 'Case 4 page 35'
p. 75 neat procedure for 'bringing down' next quantity

Item H7

Date: 21.6.1833 to 21.10.1833

Author: John Henworthy

Place: Castlehave (?) Saddleworth

Contents:

p. 3 Prattital [sic] Geometry
p. 24 Problems
pp 30, 31, 35 scribbled on

Source:

Bonnycastle ?

Item H8

Date: September 1887

Author: A Harrison

Place: 'Ellesmere' Eastbourne

Contents:

Title: 'Composition Book'

Note:

Mainly English essays, grammar, but at the back, a few arithmetical questions

Item H9

Date: Christmas 1849; also watermark 1849

Author: John Hurst

Place: 'Written at Travis's School, Manchester Old Road, Corner of School Lane, Heaton Norris.' (p. 4)

Contents:

- p. 7 Simple Interest
- p. 37 Discount
- p. 58 Compound Interest
- p. 74 Equation of Payments
- p. 81 Barter
- p. 92 Profit and Loss
- p. 108 Fellowship
- p. 109 Fellowship without Time
- p. 135 Fellowship with Time

Source:

Follows Walkingame very closely

Note:

'See book marked F'

Item H10

Date: nd but see below; about 1854

Author: Richard Bythewood Harris

Place:

Contents:

- p. 1 Single Rule of Three in Decimals
- p. 11 Single Position
- p. 23 Double Position
- (pp 35–40 loose sheets)
- p. 41 Progression Consists of two parts Arithmetical and Geometrical
- p. 42 Arithmetical Progression
- p. 59 Geometrical Progression
- p. 71 Permutation
- p. 77 Extraction of the Square Root
- p. 78 Family history
- p. 81(?) 3 x 3 magic square
- p. 72 Curious question re undergraduate housing

Notes:

Likely to be the book of R B Harris because (a) R B HAR... inside front cover;
(b) top of p. 77 'Richard Bythewood Harris Born Sept 25th 1844 ...;
Family notes include at least 5 Rich Bythewood Harris.
Also loose sheet from Bible dated 1822.

Item H11

Date: 1770 - 30.8 1771; [6.2.1777, p. 169, but different hand from p.131?]

Author: William Hale

Place: 'Clare' 56 miles from London in questions pp. 88, 91

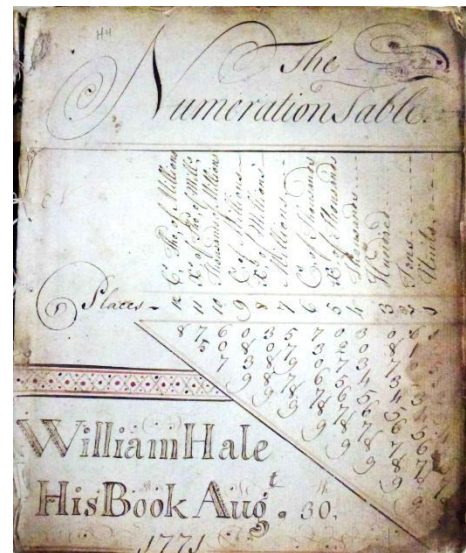
Contents:

- p. 1 The Numeration Table
- p. 3 The Pence Table
- p. 5 Questions in Numeration
- p. 7 Addition of Whole Numbers
- p. 9 OF Compound addition – Q & A format
- p. 13 Averdupoise [sic] Weight;
- p. 14 Troy,
- p. 23 Subtraction of Whole Numbers
- p. 24 OF Compound Subtraction Q & A
- p. 31 The Multiplication Table
- p. 40 OF Compound Multiplication Q & A
- p. 57 Division
- p. 62 Division of Cyphers
- p. 65 Contraction or Short Method ... (Division)
- p. 67 Division of Parts (factors)
- p. 73 Practical Questions
- p. 77 Reduction
- p. 94 The Single Rule of Three Direct
- p. 117 The Single Rule of Three Inverse
- p. 124 The Double Rule of Three Direct
- p. 131 Of Vulgar Fractions Q & A
- p. 132 Of Reduction of Vulgar Fractions
- p. 157 Addition of Vulgar Fractions
- p. 159 Subtraction of Vulgar Fractions
- p. 162 Multiplication of Vulgar Fractions
- p. 169 Division of Vulgar Fractions
- p. 170 The Rule of Three (in VF)
- p. 173 Reduction of Decimals: To reduce a VF to a Decimal
- p. 182 Addition of Decimals
- p. 183 Subtraction of Decimals
- p. 184 Multiplication of Decimals
- p. 186 Division of Decimals
- p. 193 The Rule of Three in Decimals

Notes:

Several blank pp

p. 27 Q at top, year is 1770



Item H11, William Hale, Page 1,
Numeration table and title page

- p. 37 Q & A style
- p. 116 Nonsense q. at top of page
- p. 118 Attempts to give Rule of Three in rhyme
- p. 131 onwards New hand evident
- p. 166 Ques. 13s 7 d X 7s 9d and £3:13s:6d X £2:15s:9d

Source: Not Walkingame

Item H12

Date: 1 July 1825 – 17 February 1827

Author: Thomas Hawtin

Place: Warmington [School?]

Contents:

- p. 3 Multiplication of Several Denominations
Continuation of the Practical Questions
- p. 9 Examples of Weights and Measures
- p. 11 Compound Division
- p. 16 Application
- p. 21 Examples of Weights and Measures
- p. 24 Bills of Parcels
- p. 29 Reduction
- p. 40 Troy Weight
- p. 48 Avoirdupoise Weight
- p. 52 Apothecaries
- p. 53 Cloth Measure
- p. 57 Long Measure
- p. 62 Land Measure
- p. 64 Wine
- p. 66 Ale and Beer Measure
- p. 68 Dry Measure
- p. 70 Time
- p. 73 Rule of Three Direct or the Golden Rule
- p. 110 Inverse Proportion
- p. 120 The Double Rule of Three
- p. 133 Practice
- p. 172 Tare Tret and Cloff
- p. 185 Simple Interest
- p. 191 Purchasing Stocks
- p. 193 Brokage
- p. 211 Compound Interest
- p. 219 Rebate or Discount
- p. 236 Equation of Payments
- p. 241 Barter
- p. 250 Profit and Loss

Notes:

- p. 168 conducted by G Walton
- p. 24 George Ward cf W11 (Bought with **W11, G5, H13**)

Item H13

Date: 23 November 1850

Author: George Hawtin

Place: Warmington School

Contents:

- p. 3 Weights & Measures
- p. 21 Subtraction
- p. 25 Multiplication
- p. 27 Division
- p. 29 Reduction
- p. 42 Of Weights and Measures
- p. 60 Wine Measure
- p. 66 Single Rule of Three Direct

Notes:

Some nice headings,

- p. 41 bird in colour
 - p. 16 year of 13 months, months of 28 days
- Bought with **G5, H12, W11**

Item H14

Date: 1821? (see pp. 42, 46)

Author: Thomas Horwood

Place:

Contents:

- p. 3 Practice continued Rule 19th
- p. 13 Tare and Tret
- p. 26 Interest Definitions
- p. 27 Simple Interest
- p. 53 Compound Interest
- p. 59 Discount
- p. 76 Equation of Payments
- p. 82 [Heading missing – Barter]
- p. 91 Profit and Loss

From back of book:

- p. 7 Geographical Questions

Item H15

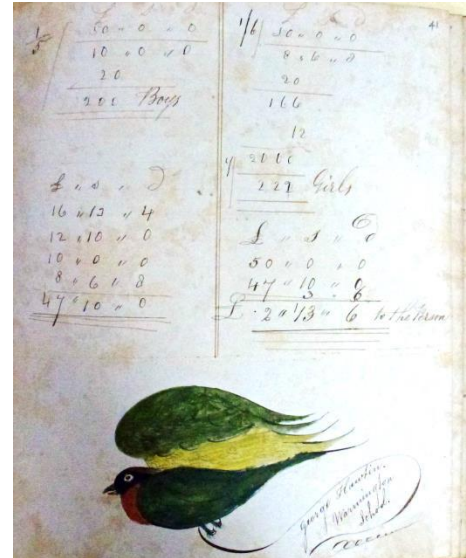
Date: 1834

Author: John Huish

Place: Winterbourne (p. 52)

Contents:

- p. 1 The Rule of Three Direct
- p. 13 Ann Huish, etc.



Item H13, George Hawtin, Page 41,
Bird in colour

- p. 56 Practice
- p. 67 James Huish His Book 1835

Notes:

Scribbled names, etc, pp.0, 5, 8, 13, 22, 30, 32, 54, 61, 79;
Some pages damagedcut 78, 37–38, 77–78;
'Mr Tucker' payments pp. 24, 35.

Item H16a

Date: 1801

Author: Nathaniel Hartland

Place: Cirencester

Contents:

- p. 3 Numeration
- p. 9 Addition
- p. 13 Subtraction
- p. 17 Multiplication
- p. 27 Division
- p. 65 Compound Addition [Money]
- p. 71 Of Weights and Measures ...
- p. 79 Application
- p. 87 Subtraction
- p. 95 Application
- p. 109 Compound Multiplication

Source:

- p. 135 '106 Of Vyse's Tutor's Guide'

Notes:

pages missing 52–53?
p. 79 Calendar? '6 Mo'

Item H16b

Date: 1802 (p. 102); watermark 1799

Author: Nathaniel Hartland

Place: Cirencester, Tewkesbury

Contents:

Title: Arithmetic in Whole Numbers Book 2nd

- p. 1 Compound Multiplication continued
- p. 7 Weights and Measures
- p. 16 Application
- p. 33 Compound Division
- p. 52 Weights and Measures
- p. 57 Application
- p. 61 Reduction
- p. 73 Coins
- p. 82 Weigths [sic] and Measures
- p. 148 The Rule of Three Direct

Source:
Walkingame

Item H16c

Date:
Author: Nathaniel Hartland
Place:

Contents:

Title: Book 3rd Arithmetic in Whole Numbers
p. 1 The Rule of Three Direct continued
p. 81 Of Sound
p. 85 Of the Levers
p. 93 Motion of Bodies with their Velocities
p. 103 The Universal Rule of Proportion for any number of terms
p. 118 A Lever of the First Order
p. 119 Questions for Exercises at Leisure Hours
p. 124 Motion of Bodies with their Velocities
p. 129 Contractions in the Rule of Three
p. 137 Contents

Item H16d

Date: 1802/3
Author: Nathaniel Hartland
Place: Cirencester

Content:

Title: Book 5th Arithmetic in Whole Numbers
p. 1 Simple Interest continued
p. 13 Compound Interest
p. 23 Rebate or Discount
p. 63 Equation of Payments
p. 72 Single Fellowship or Fellowship without Time
p. 99 Double Fellowship or Fellowship with Time
p. 125 Barter
p. 134 Loss and Gain
p. 159 Alligation Medial
p. 163 Alligation Alternate
p. 170 Alligation Partial
p. 173 Alligation Total
p. 176 Contents

Note:
? calculation at foot of p. 156

Item H16e

Date: 30.4.1803
Author: Nathaniel Hartland
Place: Cirencester

Content:

Title: Book 6 Arithmetic in Whole Numbers

- p. 1 Exchange
- p. 36 To change Current Money into Banco
- p. 72 Comparison of Weights and Measures
- p. 83 Position or The Rule of Three
- p. 84 Single Position
- p. 99 Double Position
- p. 107 Progression, consisting of Two Points [sic] Arithmetical & Geometrical:
Arithmetical Progression
- p. 140 Geometrical Progression
- p. 154 Permutation or Variation
- p. 159 Vulgar Fractions
- p. 161 Reduction of Vulgar Fractions
- p. 177 Contents

Notes:

- p. 133 Error in statement of Proposition VII
- p. 171 Error 2712 wrong

Item H16f

Date: 4.4.1804

Author: Nathaniel Hartland

Place:

Contents:

- p. 1 Extraction of the Square Root
- p. 14 The Square Root of Vulgar Fractions
- p. 16 Surds
- p. 22 The Use of the Square Root
- [p. 33 Pythagoras]
- p. 49 The Extraction of the Cube Root
- [p. 57 Biquadrate Root ...]
- p. 63 To Extract the Cube Root of a Vulgar Fraction
- p. 66 Surds The Use of the Cube Root
- p. 80 Mensuration: Geometrical Definitions
- p. 102 Problems

Notes:

- p. 29 Reference to Problem 6 in Mensuration, but see p. 112
- p. 62 Advice to the Tutor
- p. 75 ?top?
- p. 92 Incomplete definition of ellipse
- p. 36 Matlock question
- 62 Reference to p. 186

Item H16g

Date: 20.11.1804

Author: Nathaniel Hartland

Place:

Contents:

- p. 1 Practical Geometry Continued (Problem 35)
- p. 35 Mensuration of Superficies
- p. 129 Mensuration of Solids: Definitions
- p. 175 Contents listed in detail

Sources:

- p. 55 Bonneycastle Mensuration
- p. 64 See C Vyse Key – similar diagram on p. 224, 10th Edition

Item H16h

Date: 13.2.1805

Author: Nathaniel Hartland

Place: Cirencester

Contents:

- p. 3 Elements of Euclid
- p. 5 Prop. 1 Prob. ...
- p. 53 Book 2nd
- p. 67 Book 3rd: Definitions
- pp. 94–146 blank
- p. 147 Synopsis of Logarithmetical Arithmetic
- pp. 157–179 blank

Notes:

pp. 3–93 contain propositions from Euclid, with figure prepared for theorems to be proved, but no proofs given.

Item H16j

Date: 25.3.1805

Author: Nathaniel Hartland

Place: Cirencester

Contents:

Title: Mensuration of Solids continued

- p. 35 Of the Carpenter's Rule [SR!]
- p. 42 Timber Measuring
- p. 64 Bricklayers' Work
- p. 70 Mason's Work
- p. 73 Carpenters and Joiners Work
- p. 75 Slaters and Tilers Work
- p. 77 Plasterer's Work
- p. 80 Glaziers Work
- p. 81 Paver's Work
- p. 82 Plumbers' Work
- p. 85 Land Surveying, Chapter I
- p. 95 Chapter II The Practice of Surveying
- p. 128 Chapter 3rd
- [p. 157 Exercising Questions]
- p. 174 Contents

Source:
Slaters' Work 'For Rule see Hutton, p. 162.'

Item H16k

Date: watermark 1804 (p. 9)
Author: anon [N Hartland]
Place:

Contents:

p. 1 Land Surveying continued: Problem XI
p. 12 The New Method of Surveying
(pp. 29–78 blank)
p. 79 Exercising Questions
(pp. 82,83 blank)
p. 84 Gears
(pp. 85–87 blank)
[pp. 88, 89 Gears drawings]
p. 91 Mechanics
p. 94 Of the Lever
p. 114 Of the Wheel and Axle
p. 126 Of the Pulley
p. 135 Of the Inclined Plane
p. 147 Of the Wedge
p. 155 Of the Screw
[p. 167 miscellaneous questions]

Notes:

p. 17 '.. plan fig 1
p. 128 Dickenary' ?

Item H16l

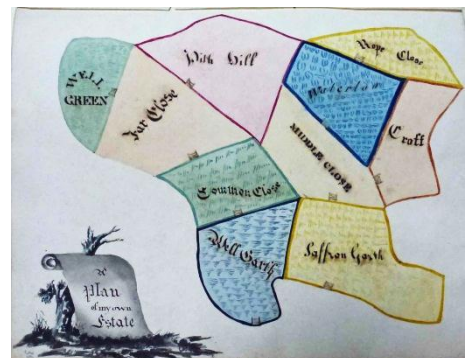
Date: 16.4.1806 (loose sheet)
Author: Nathaniel Hartland
Place:

Contents:

p. 3 Mechanics continued
p. 7 Laws of Mechanics as they relate to Wheel
Machines
p. 21 Of simple Circular Levers
p. 45 A Chronological History of England
Loose Sheets

Item H17

Date: 1825
Author: Hanley Hutchinson
Place:



Item H17, Hanley Hutchinson, Page 35, Plan of our estate

Contents:

- p. 3 Land Surveying : Problem 1st p. 5
- p. 6 Example : area of a composite field
- p. 11 Example – Mr Jackson's Estate
- p. 23 Contents : estate's fields listed (also p. 11)
- p. 35 A Plan of my own Estate (also p. 49)
- p. 65 Value
- p. 67 Promiscuous Questions
- p. 83 indoor tennis?
- p. 105 Mensuration : Problem 1st, to find the solidity of a cube; Problem 2nd : To find the solidity of a parallelopipedon
- p. 101 Two ladders problem
- p. 137 church

Note:

Nice coloured drawings on pp 5; 11; 29; 35; 51; 83;

Item J2

Date: 1826

Author: William Jones

Place:

Contents:

- p. 4 Arithmetic Numeration
- p. 7 Addition of Integers
- p. 10 Subtraction of Integers (with proof)
- p. 11 Multiplication (inc. casting out 9s)
- p. 13 Division
- p. 22 Compound Addition
- p. 37 Compound Subtraction
- p. 44 Compound Multiplication (inc. eg use of $37 = 2 \times 3 \times 6 + 1$)
- p. 52 Compound Division
- p. 58 Bills of Parcels
- p. 62 Reduction
- p. 84 Single Rule of Three Direct
- p. 93 Inverse Proportion
- p. 96 Double Proportion
- p. 101 Practice
- p. 110 Tare, Tret & Cloff
- p. 113 Simple Interest
- p. 116 Brokage
- p. 123 Compound Interest
- p. 127 Rebate or Discount
- p. 134 Equation of Payments
- p. 136 Barter
- p. 139 Profit & Loss
- p. 143 Fellowship
- p. 150 Fellowship with Time
- p. 155 Alligation Medial
- p. 157 Alligation Alternate

- p. 159 Alternation Partial
- p. 161 Alternation Total
- p. 165 Position Single Position
- p. 167 Double Position
- p. 171 Exchange
- p. 184 Comparison of Weights & Measures
- p. 185 Conjoined Proportion
- p. 187 Progression: Arithmetical Progression
- p. 193 Geometrical Progression
- p. 201 Permutation
- p. 202 Vulgar Fractions
- p. 203 Reduction of Vulgar Fractions
- p. 213 Addition of Vulgar Fractions
- p. 215 Subtraction of Vulgar Fractions
- p. 217 Multiplication of Vulgar Fractions
- p. 218 Division of Vulgar Fractions
[NB not Walkingame's text 'Invet the divisor...']
- p. 220 Single Rule of Three Direct in VF
- p. 223 Single Rule of Three Inverse in VF
- p. 224 Double Position
- p. 226 Addition of Decimals
- p. 227 Subtraction of Decimals
- p. 228 Multiplication of Decimals
- p. 229 Contracted Multiplication of Decimals
- p. 232 Division of Decimals
- p. 235 Repeating & Circulating Decimals
- p. 236 Reduction [of Decimals]
- p. 244 Addition of Interminate Decimals
- p. 247 Subtraction of Interminate Decimals
- [p. 249 Multiplication of Interminate Decimals]
- p. 253 Division of Interminate Decimals
- p. 258 Reduction of Decimals
- p. 266 The Rule of Three in Decimals
- p. 275 Extraction of the Square Root
- p. 287 Extraction of the Cube Root

Source:

Almost all directly copied from Walkingame

Item K1a

Date: 24.3.1848

Author: Charles Kimber

Place:

Contents:

- p. 1 Multiplication All questions given 'value' of one item, find value of N
- p. 35 Division – inverse of multiplication questions

Sources:

Apparently not Walkingame

Note:
See also **K1b**

Item K1b

Date: 13.8.1852
Author: Charles Kimber
Place:

Contents:

- p. 1 Tare – a few eggs from W'h'me
- p. 15 Commission
- p. 25 Barter Brokerage
- p. 33 Insurance
- p. 39 Direct Proportion (Rule of Three)
- p. 37 Invoices

Note:
See also **K1a**

Item L1

Date: nd
Author: Thomas Little
Place:

Contents:

Title: 'Mensuration'

- p. 1 Drawing of a soldier
- p. 3 Land Surveying [Problem 2]

Source:

All copied from Nesbitt's 'Practical Mensuration' N7
p. 70 – p. 120

Note:
Nice coloured diagrams and drawings

Item L3

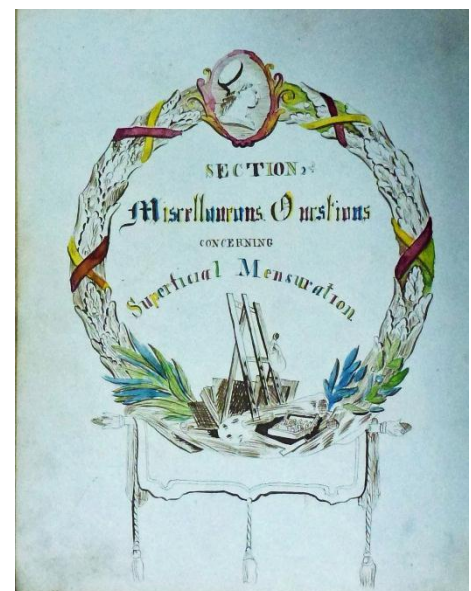
Date: 1840; (1841 p. 101)
Author: G Longland
Place:

Contents:

- p. 1 Problems producing "Simple Equations involving only One Unknown Quantity"
- p. 43 Problems producing "Simple Equations involving Two Unknown Quantities"
- p. 63 Problems producing Pure Equations
- p. 85 Problems producing Adfected Quadratics

Sources:

Not Bonnycastle, Vyse, Emerson



Item L1, Thomas Little, Page 68,
Title page for miscellaneous questions

Notes:

A collection of solutions to problems – problems not given.

p. 57 G L March 12th '40; etc;

p. 58 GL March 31st 1840. Also p. 59

p. 62 May 26 Romsey;

p. 63 G L Brighton, July 21st;

p. 68 Brighton Feb 26 1841,

Also pp. 76, 77, 81, 83, 87, 91, 101, 108, 110, 112, 114, 115

Item L4

Date: 1862 ?

Author: Arthur Lee (aged 14 years)

Place: Turton Hall, Gildersome, near Leeds; etching of school on p. –3

Contents:

p. 1 Equations (rational)

p. 11 Questions (word problems)

p. 40 Pencilled Caesar Book II

(pp. 41–90 blank)

Source:

p. 3 cf Walkingame Rule of False

Notes:

Several sets of loose sheets –

1 Find the fourth root of $16x^4 + 128x^3 + .. 256$

1 1 Algebraic Simplification

2

1 Word Problems (alligation, etc)

Item L5

Date: watermark 1832 (p. 2)

Author: Miss H J Lidiard

Place:

Contents:

p. 3 Numeration

p. 4 Addition

p. 6 Subtraction

p. 8 Multiplication

p. 9 Short Division

p. 10 Long Division

p. 20 Compound Addition

p. 30 Subtraction of Money, Weights & Measures

p. 34 Multiplication of Several Denominations

p. 42 Questions in Multiplication

p. 45 Weights & Measures

p. 46 Compound Division

p. 54 Questions in Division

- p. 57 Examples of Weights & Measures
- p. 60 Reduction
- p. 74 The Single Rule of Three Direct
- p. 85 The Rule of Three Inverse
- p. 89 The Double Rule of Three
- p. 95 Practice
- p. 134 Tare, Tret and Cloff
- p. 140 Simple Interest
- p. 146 Brokage

Source:

Based on Walkingame, but extra questions, and some modified

Note:

- p. 1 Index to the Rules

Item L6

Date: 1865–68

Author: Isabella Lund

Place: (Girls') Grammar School, Bolton-Le-Sands

Contents:

- p. 3 Compound Addition
- [p. 11 Compound Subtraction]
- [p. 17 Compound Multiplication]
- p. 32 Compound Division
- p. 34 Exercises in Numeration and Notation
- p. 35 Simple Subtraction
- p. 39 Simple Multiplication
- p. 44 Simple Division
- p. 48 Long Division
- p. 52 Exercises in Numeration: Division
- p. 56 Compound Addition
- p. 58 Exercises in Numeration
- [p. 59 Compound Addition]
- p. 61 Compound Multiplication
- p. 69 Compound Division
- p. 86 Reduction {of money}
- p. 90 Weights and Measures
- p. 93 Troy Weight
- p. 100 Measure of Capacity
- p. 101 Time
- p. 102 Reduction Avoirdupois Weight
- p. 105 Simple Proportion {Rule of Three}

Note:

- p. 14 first question wrong

Item L7

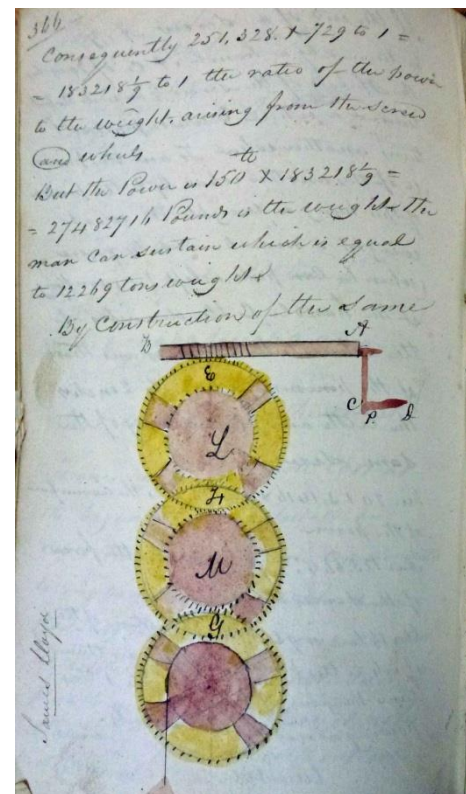
Date: 1840 (see p. 335)

Author: James Lloyd (other names include Rachel Lloyd, p. 198)

Place:

Contents:

- p. -2 Contents (incomplete)
- p. 1 Plane Trigonometry Geometry's Definitions
- NB 17 Equil. not isos.
- p. 4 Postulates
- p. 5 Axioms Remarks
- [p. 7 Triangles]
- p. 17 To Compute the Natural Sine
- p. 18 To Compute Tangents and Secants
- p. 20 To find Logarithms f b calculations
- p. 27 Plane Sailing
- p. 55 Traverse Sailing
- p. 66 Middle Lat Sailing
- p. 80 Mercator Sailing
- p. 104 Chart (Glasgow, Newcastle, London, Plymouth, etc)
- p. 106 Oblique Sailing
- p. 110 Current Sailing
- p. 113 Variation of the Compass
- p. 115 Keeping a Journal at Sea
- p. 119 Conic Section [sic] (actually volume, surface area of cone, frustum)
Similar calculations for various solids.
- [p. 135 Ellipse, p. 147 Parabola, p. 161 Sphere, p. 169 Circle]
- [p. 191 Word Problems]
- p. 212 Comparative Strength of Timber
- p. 224 A Table of Lineal Measure A Table of Solid Measure
- p. 225 A Table of Square Measure
- p. 226 Oblique Angled Trigonometry [238 by Gunter Scale]
- p. 247 Application of Algebra to Geometry
- p. 257 Circles
- p. 258 Ellipses
- p. 266 Land Surveying [To find the area of a regular polygon]
- [pp. 27-28 Map and Field Book]
- [pp. 29-34 in Welsh]
- [pp. 29-34 continuation from 382]*
- p. 296 Use of the foregoing in Building [Roof Calculations] Plate p. 371##
- p. 300 To make a Horizontal Dial
- p. 302 To construct an upright South Dial to put on Houses, Steeples
- p. 304 Method of Calculation of the Tonnage of a Ship
Weights and dimensions of Balls and Shells
- p. 308 Of Artificers Work Bricklayers Mason's Work
- p. 309 Carpenters and Joiners Work
- p. 310 Slaters and Tilers Work



Item L7, James Lloyd, Page 366, Gears

p. 312 Painters Glaziers
 p. 313 Paviers Work
 p. 314 Plumbers Work Vaulted and Arched Roofs
 p. 318 To find the Solidity of Square or four sided Timber
 p. 319 Unsquared or round Timber
 p. 323 Of Specific Gravity
 p. 330 Of Distance by the velocity of Sound
 p. 335 Of the Motion of Forces, The Lever, Mechanics, Statics, Hydrostatics,
 Hydraulics, Pneumatics, Nature Philosophy
 p. 336 The Laws of Gravity
 p. 344 Cycloidal Pendulum
 p. 350 Fluxions The Method of determining the height of Mountains and other
 eminences by the Barometer
 [p. 365 Gears and Screws]
 [p. 371 see p. 296]#
 p. 373 Elevation and Plan of House
 pp. 374 and 375 Plan & Elevation of House
 p. 377 Elevations of House
 p. 378 The Use of the Sliding Rule The 2 sided one
 p. 379 Measuring of Superficies as Board, Glass, Painting etc
 p. 382 Transfer to p. 293*
 p. 383 Practical Rules in Gunnery
 [p. 387 Algebraic formulae re projectiles]
 p. 388 Necessary Rules in Gaging [sic]
 p. 397 Of Cask Gaging
 p. 409 direction [sic] of Motion (Resultants)
 p. 414 Simple Interest
 p. 415 Annuities, Pensions
 p. 416 Rebate, Compound Interest
 p. 417 Rebate or Discount Purchasing Freehold Estates
 p. 418 Chronology
 p. 422 To find the Moon's Age
 p. 425 Concerning Divisors
 p. 429 Algebra (Addition, Subtraction, Multiplication ...)
 p. 433 Involution
 p. 434 Evolution
 p. 435 Simple Equations
 p. 446 Quadratic Equation [sic] (Completing the Square)
 p. 456 Cubic Equations (Solution by successive approximation)
 p. 459 Table of Interest of £100

Notes:

p. 18 Hyperbolic Logarithms
 p. 100 Land's End
 p. 131 Visible Horizon
 [pp. 18–23 missing]
 p. 186 Drinking contest problem
 pp. 19–34 Bristol Exeter
 p. 195 Supposition (Rule of False) Algebra
 p. 198 Names: Thomas Lloyd, Rachel Lloyd, Llandrissol, etc.

p. 427 Problem in rhyme

Item L27

Date: 1853?

Author: Thomas Little

Place:

Contents:

- p. 1 Bills of Parcels
- p. 10 Reduction
- p. 26 Avoirdupoise Weight
 - 12 gross = 1 great gross
 - 1½ pounds = 1 great pound
- p. 35 Long Measure, Land M, etc
- p. 45 The Single Rule of Three Direct
- [p. 73] inverse proportion
- p. 74 The Rule of Three Inverse
- p. 82 Double Rule of Three
- p. 86 Practice
- p. 90 Drawing of priest at mass

Source:

Looks like examples from Walkingame

Note:

Name (T Little) used from first Bill of Parcels

Item M1

Date: 1811

Author: John Mockridge

Place: North Petherton

Contents:

- p. 1 Conic Sections and their Solids Definitions
- p. 29 Timber Measure
- p. 59 Of Tables
- p. 73 Measuring Stone
- p. 75 Further Observations
- p. 97 Of Measuring Cord Wood
- p. 115 Stenography
- pp. 127 – 153 Stenographical Exercises

From back of book:

- p. 1 Book Keeping by Single Entry
- p. 5 North Petherton School Accounts
- p. 27 Ledger A
- p. 55 Ledger B
- p. 91 Forms of Receipts
- p. 93 Inland Bills
- p. 95 London Promissory Note Country Promissory Note

- p. 96 Inland Bills of Exchange
- p. 97 Foreign Bills
- p. 99 A Bill of Parcels
- p. 100 An Invoice
- p. 102 An Account
- p. 103 Current in Account
- p. 105 Form of a Bond
- p. 106 Draft letter at foot of page
- p. 107 Notice from Surveyor of the Highway to Taunton St James Parish

Item M2

Date:

Author: Edward W Millidge

Place: York House, Cold Harbour, Gosport

Note:

Small booklet – subjects taken and marks gained

Item M3

Date: watermark 1858

Author: George Henry Medlicott

Place: Welshpool School

Contents:

- p. 1 Fractions
- [p. 4 Reduction]
- [p. 18 Multiplication of fraction by whole number]
- [p. 21 Division of fraction by whole number]
- [p. 27 Multiplication and division of concrete quantities]
- [p. 35 Reduction of compound fraction to a simple one]
- [p. 43 Reduction of fractions to common denominator]
- p. 53 Addition of Fractions
- [p. 66 Addition of money NB fractions of a penny]
- p. 70 Subtraction of Fractions
- p. 83 Multiplication of Fractions
- p. 90 Division of Fractions (invert)
- p. 99 Decimal Fractions

Note:

‘Master’: AGH thinks teacher; I think pupil because (a) ‘Master’ common on other books; (b) the mix of questions p. 66 et seq. See AGH letters

Item M4

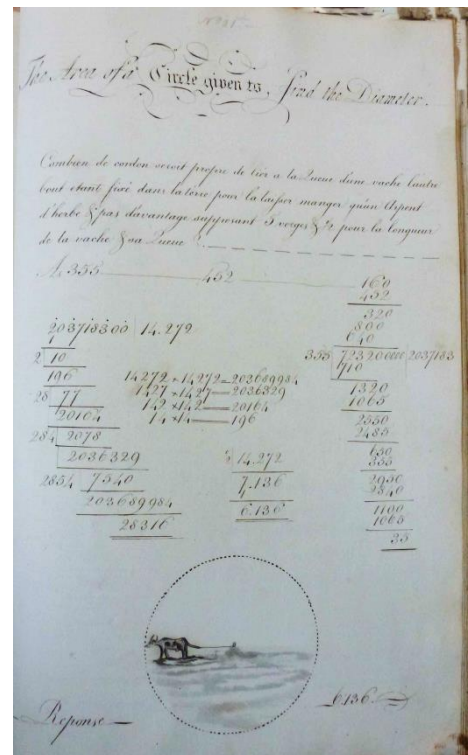
Date: 1770? 1772?

Author: K? M? Masterman

Place:

Contents:

p. 5	Addition of Integers
p. 7	of Money
p. 9	Troy Weight
p. 11	Avoirdupois
p. 13	Cloth Measure
p. 15	Apothecaries Weight
p. 17	Wine Measure
p. 19	Subtraction
p. 21	of Money – Troy Weight
p. 23	Avoirdupois Weight – Apothecaries
p. 25	Cloth Measure – Wine Measure
p. 27	Multiplication
p. 31	of Mony [sic]
p. 41	Division
p. 45	Money
p. 49	Bills of Parcels
p. 55	Reduction
p. 59	Reduction Ascending
p. 63	Reduction Ascending and Descending
p. 75	[Reduction] Avoirdupoise
p. 79	Tare & Trett
p. 93	Apothecaries Weight (Reduction)
p. 95	Cloth Measure (Reduction)
p. 99	Long measure
p. 103	Land Measure
p. 107	Wine Measure
p. 111	Dry Measure
p. 113	Time
p. 117	The Single Rule of Three
p. 137	Inverse Proportion
p. 143	The Double Rule of Three
p. 151	Practice
p. 185	Simple Interest
p. 189	Commission
p. 191	Purchasing of Stocks
p. 195	Brokage
p. 217	Compound Interest
p. 229	onwards: French text
p. 229	Rabat ou Decompte
p. 239	Equation de Payements, estan
p. 243	Troque (exchange, barter)
p. 255	Loss and Gain [sic] but questions and Reponse in French
p. 267	Societe (fellowship)
p. 285	Societe avec le Temps. Utt (?Temps?)
p. 291	Alligation Medial
p. 299	Alligation Alternate
p. 301	Alternation Partial
p. 307	Alternation Total
p. 313	Position



Item M4, Masterman, Page 483,
Diameter of a circle

- p. 317 Double Position
- p. 321 Exchange (of currencies)
- p. 339 To convert Bank Money into Current and the Contrary
- p. 345 Comparison of Weights and Measures
- p. 349 Conjoind [sic] Proportion
- p. 353 Arithmetical Progression
- p. 363 Geometrical Progression
- p. 369 Vulgar Fractions Reduction
- [p. 371 To reduce a VF to its lowest terms, ...]
- p. 411 Addition (of VF)
- p. 415 Subtraction of VF
- p. 419 Multiplication of VF
- p. 423 Division of VF
- p. 427 The Single Rule of Three (W'h'me p. 95)
- p. 433 The Single Rule of Three Inverse in Vulgar Fractions
- p. 439 The Double Rule of Three in Vulgar Fractions
- p. 445 Decimal Fractions Imprimis Numeration
- p. 447 Addition (of decimals) – Subtraction
- p. 449 Multiplication
- p. 451 Division
- p. 453 Reduction
- p. 461 The Rule of Three in Decimals
- p. 469 Square Root
- p. 473 Surds
- p. 475 Pour soustraire la racine quarre d'un nombre mele
- p. 477 Surds
- p. 483 The Area of a Circle given to find the diameter
BUT problem re cow's tail (Walkingame p. 117, q.23)
- p. 487 The Base and Perpendicular given to find the Hypothenuse
- p. 489 The Hypothenuse and Perpendicular given to find the Base
- p. 491 The Base and Hypothenuse given to find the Perpendicular
- p. 493 Cube Root
- p. 505 Extraction of the Biquadrate Root

Source:

Follows Walkingame very closely. The part in French is straight translation of Walkingame, with eg £,s,d;

Sheets bound up after questions worked.

Item M5

Date: 1821; watermark 1819 (p. 37); see pp. 50, 64, 65

Author: William Mell (p. 64)

Place:

Contents:

- p. 1 The Single Rule of Three Direct
- p. 29 The Single Rule of Three Inverse
- p. 38 The Double Rule of Three
- p. 49 Practice
- p. 79 Simple Interest

- p. 83 Commission
- p. 85 Purchasing of Stock
- p. 88 Brokage

Item M6a

Date: 5.3.1860

Author: John Thomas Wilson Millar

Place: Close House

Contents:

- p. 3 Gauging
- p. 10 3 x 3 magic square
- p. 64 Miscellaneous questions concerning gauging
- p. 84 Velocity of Sound
- p. 88 Land Surveying

Source:

Texts not yet identified

Note:

- p. 80 Curious terms in problem
- Three loose sheets of ms solutions of questions

Item M6b

Date: 13.3.1860

Author: J T W Millar

Place: Close House [Leeds ?]

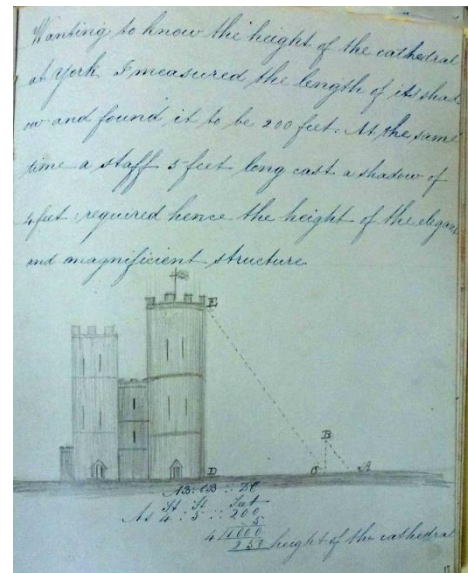
Contents:

- p. 3 Miscellaneous Questions concerning Superficial Mensuration
- p. 20 Mensuration of Solids
- p. 84 3 x 3 magic square
- p. 104 tetraedron [sic]
- p. 112 A Table of the Specific Gravity of Bodies
- p. 117 Miscellaneous Questions concerning Solids
- p. 158 Artificers' Work
- p. 161 Bricklayers' Work

Notes:

References to Leeds pp. 56, 68, 138, 164, (171)

Nice diagrams pp. 10, 11, 13



Item M6b, JTW Millar, Page 13,
Height of a cathedral

Item N1

Date: nd

Author: Masater F Nightingale

Place: Pupil at the Academy Church Causeway Horsham

Contents:

- p. 1 Extraction of the Square Root

p. 23 Extraction of the Cube Root
p. 29 Discount
[p. 46 Compound Interest heading missing]
p. 55 Barter
p. 62 Profit & Loss
p. 69 Per Cent
p. 74 Fellowship without time
p. 81... blank

Item N2

Date: April 1862

Author: Daniel Nevill

Place: Birmingham?

Contents:

p. 1 The Rule of Three Direct
p. 21 The Rule of Three Inverse
p. 34 Practice [examples from Walkingame]
p. 76 Tare and Trett [also Cloff & Suttle]

Source:

Some examples from Walkingame, but majority not.

Note:

Several references to Birmingham

Item N3

Date: watermark 1861

Author: Miss I Norman (?)

Place: At Mr Ingleson's Dorset St. Academy, Hulme, Manchester

Contents:

p. 1 Progressive Arithmetic

Notes:

Title page burnt.

Drill sums in £:s:d, for example, Divide £956541:10s:11 d by 60, find the true remainder and prove yourself correct (p. 40).

Item O1

Date: 1863 (p. 2); 1852 (p. 48)

Author: George Onley

Place:

Contents:

p. 3 Simple Interest
p. 3 Commission, Brokage, Purchasing of Stocks, Insurance]
p. 26 [Compound Interest – heading missing]
(pp. 26–27 many pages missing between these two)
p. 27 [Reduction – heading missing]

(pp. 30–31 loose sheets)
p. 48 Handwriting practice
p. 49 onwards, verses, signatures, etc.

Notes:

Many pages missing. Several pages of signature practice by various people.

Passage in French on loose sheets.

In the text 'Rules' usually given without headings or 'Case'.

Item P1

Date: 15.1.1830 (see back cover)

Author: William S Palmer

Place:

Contents:

p.1 Printed tables
[p. 3 Calculations – money]
p. 5 Tare and Tret
p. 16 Simple Interest
p. 20 Commission
p. 23 Purchasing of Stocks
p. 27 Insurance
p. 29 Brokerage
p. 43 Compound Interest
p. 52 Decimal Fractions
p. 54 Addition of Decimals
p. 57 Multiplication
p. 61 Division
[p. 67 Reduction (?) heading missing]
p. 78 Rule of Three
p. 84 Square Root
p. 91 To Extract the Square Root of a Vulgar Fraction
p. 93 Application to [sic] Square Root
p. 103 Cube Root
p. 112 Duodecimals Cross Multiplication
p. 120 Artificers Work
p. 123 Glaziers
p. 128 Masons
[p. 130 ?Painters and Plasterers?]
p. 141 Flooring, Partitioning, Roofing and Tiling
p. 143 Practical Mensuration
p. 152 Geometrical Problem
p. 167 Timber Measure
p. 176 A Table for Measuring Timber

Source:

To p. 142 closely follows Walkingame with extra examples

Item P2

Date: 1774

Author: Samuel Potter

Place: Holt School

Contents:

- p. 3 Addition of Fractions
- p. 9 Sub-traction of Fractions
- p. 15 Multiplication of Fractions
- p. 19 Division of Fractions
- p. 23 The Golden Rule of Three Direct in Fractions
- p. 29 The Golden Rule of Three Inverse in Fractions
- p. 35 Notation of Decimals
[Done at Walsingham with ye Revd Paul Peach1775]
- p. 39 Addition of Decimals
- p. 43 Subtraction of Decimals
- p. 45 Multiplication of Decimals
- p. 49 Division of Decimals
- p. 57 Reduction of Decimals
- p. 65 The Rule of Three in Decimals
- p. 69 Extraction of the Square Root
- p. 73 To Extract the Square Root of Vulgar Fractions
- p. 77 Extraction of the Cube Root
- p. 86 Some Uses of the Cube Root
- p. 95 Duodecimals
- p. 101 Problems [Geometry; definitions]
- [p. 103 definiton of Parallelogram]
No explanations given
- p. 115 Tare & Trett [Cloff & Neat]
- p. 123 Simple Interest
- p. 131 Commission, Brokage, purchasing of Stocks, Insurance, Loss & Gain,
Exchange
- p. 143 Exchange
- p. 153 Single Position [Done at Brancaster with Mr J Rix, 1776]
- p. 156 Double position with Rhyme
- p. 160 Arithmetical Progression
- p. 165 Geometrical Progression
- p. 168 Permutation
- p. 171 Barter
- p. 174 Loss and Gain

Item P3a

Date: 8 April 1867 (see p. 133)

Author: I Powell

Place: Hunton School

Contents:

- p. 1 Vulgar Fractions
- p. 3 Reduction

- p. 24 Addition of VF
- p. 28 Subtraction of VF
- p. 32 Multiplication of VF
- p. 36 Division of VF (invert)
- p. 40 Single Rule of Three in Vulgar Fractions
- p. 44 Proportion
- p. 46 Double Rule of Three in V.. F..
- p. 48 Decimals
- p. 50 Addition in [sic] Decimals
- p. 53 Subtraction in Decimals
- p. 55 Multiplication in Decimals
- p. 58 Division in Decimals
- p. 62 Reduction in Decimals
- p. 70 Single Rule of Three in Decimals
- p. 77 Duodecimals
- [p. 83 Artificers, Glazing...]
- p. 94 Extraction of the Square Root
- p. 101 Surds
- p. 105 Surds
- [p. 115 Pythagoras]
- p. 119 Extraction of the Cube Root
- p. 130 Surds

Source:

Follows Walkingame closely

Item P3b

Date: 8.2.1866

Author: Master I Powell

Place: Hunton School

Contents:

- p. 1 Practice
- p. 26 Simple Interest
- p. 29 Commission
- p. 31 Purchasing Stocks
- p. 33 Brokage
- p. 49 Compound Interest
- p. 56 Rebate of Discount
- p. 69 Equation of Payments
- p. 73 Barter
- p. 80 Profit and Loss
- p. 87 Fellowship
- p. 88 Single Fellowship [without time]
- p. 93 Double Fellowship [with time]

Source:

Closely follows Walkingame, but different order of sections

Item P5

Date: 1844; 1855

Author: George Knight Pilkington

Place: Ashby de la Zouch

Contents:

- p. 1 Reduction
- p. 9 The Rule of Three
- p. 17 Interest
- p. 34 Commission
- p. 37 Brokage
- p. 39 Purchasing of Stocks
- p. 42 Insurance
- p. 45 Discount
- p. 58 Barter
- p. 67 Profit and Loss
- p. 79 Fellowship
- p. 80 Fellowship without Time
- p. 94 Fellowship with Time
- p. 106 Position – Single Position
- p. 110 Double Position

Source:

Not Walikingame

Note:

1855 given at back, but p. 33 'Ex'd 20644': p. 113
 'Ex'd 181244'

Item P6

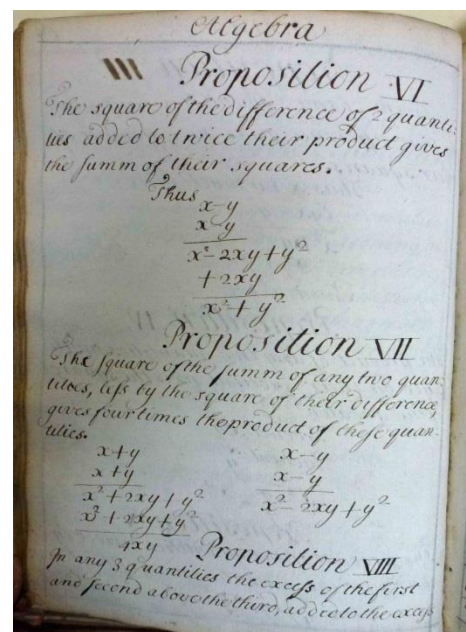
Date: 1722

Author: Guilelmi Paterson

Place:

Contents:

- p. 3 An Introduction to the Mathematicks
- p. 5 Treatise 1st of Algebra. Chapter first Of Notation
- p. 7 Chapter second Of Addition of Algebraick Integers
- p. 9 Chapter 3rd Of Subtraction of Algebraick Integers
- Chapter 4th Of Multiplication of Algebraick Integers
- [p. 12 Division of Algebraick Integers]
- p. 13 To divide Compound Quantities
- p. 16 Chapter Sixt Of Fractions
- p. 23 Chapter 7th Of the Involution and Evolution of Powers



Item P6, Guilelmi Paterson, Page 72,
 Two algebra propositions

- p. 29 Chapter 8 Of Proportion (Rule of Three)
- p. 34 Chap IX Of Equations that involve only one unknown quantity
- p. 36 Chap X Of the Solution of Simple Aequations (word problems)
- p. 55 Chap XI Of the Solution of Quadratic affected Aequations (complete square)
- p. 64 Chap XII Of Surds or Incommensurable Quantities
- p. 70 Chap XIII Containing generall properties of all quantities demonstrated by
the Analytick Method
- p. 78 Postscript [sic]
- p. 81 Of Decimal Fractions
- p. 83 Problem 1st To add and subtract Decimals
Problem II To Multiply Decimall Fractions
- p. 84 Problem III To Divide Decimalls....
- p. 89 Treatise Second of the fundamental Propositions and Definitions in Geometry
- p. 91 Chapter 1st Of Straight Lines and Figures
- p. 100 Section II^d Of the Circle
- p. 104 Section third Of Problems
- p. 109 Chapter II^d Of Surfaces
- p. 114 Chapter III^d Of Solids
- p. 121 Appendix Of the Proportion of Quantities
- p. 123 Treatise third of Cosmography Containing the Principles of Geography
& Astronomy
- p. 126 Chapter 1st of the Earth
- p. 143 Chapter II^d of the Air
- p. 149 Chap. III Of the System of the World & first of the Fix't Stars
- p. 152 Chapter 4th Of the System of the Sun
- p. 154 Chapter V Of the Inferior Planets Mercury and Venus
- p. 157 Chapter VI Of the Earth & Moon

Item P7

Date: 1.2.1852 – 19.5. 1853

Author: John Parry

Place: Llandeaur School ?

Contents:

- p. 4 Single Rule of Three Direct (Examples only)
- p. 24 Double Rule of Three Direct
- p. 29 The Doctrine of Fractions. Rule given for reduction but without title.
- p. 40 Addition of Fractions Rule and examples
- p. 44 Subtraction of Fractions Rule and examples
- p. 47 Multiplication of Fractions Rule and examples
- p. 50 Division of Fractions Rule and examples
Two versions of Rule given, both use 'invert'
- p. 55 Reduction of Fractions
- p. 67 Rules of Practice – examples only
- p. 70 Miscellaneous Questions
- p. 88 Decimals
- p. 94 Addition of Decimals
- p. 96 Subtraction,
- p. 97 Multiplication,

- p. 99 Division
- p. 102 Reduction of Decimals
- p. 110 Rule of Proportion – interesting comment ‘Assuming....’ Line 7
- p. 119 Simple Interest
- p. 120 Commission, Brokerage, Insurance
- p. 127 Compound Interest
- p. 129 The Nature and Transfer of Stocks
- p. 133 Discount or Rebate [Generally not Walkingame]

Notes:

- p. 2 Rhyme
- p. 28 Gruesome example
- p. 31 Two handwritings pp. 60, 64
- p. 76 ‘Real life’ example!!

Item P8

Date: 1809; 13 June 1810 p. 82

Author: Miss N(?) Palmer

Place: Milton (?)

Contents:

- p. 3 The Old Testament History may be divided into Epochas or Periods –
First Epocha,
- p. 22 Babylonian Empire
- p. 24 Persian Empire
- p. 31 Grecian Empire
- p. 41 Roman Empire
- p. 44 The Moral and Political State of the Jewish Nation at the
Coming of Christ
- p. 49 The Moral and Political State of the Heathen World at the
Coming of Christ
- p. 53 A Sketch of Universal History
- p. 85 On the Study of Nature
- pp. 136–164 Various religious items

Item P9

Date: 1786 p.41

Author: Thomas Proctor

Place:

Contents:

- p. 1 Of Mensuration
- pp. 8, 9 Tables relating area, radius of
circumference... for polygons
- p. 10 A Circle: A Parallelogram: An Ellipsis
- p. 24 For a Parabola
- p. 27 Mensuration of Solids
- p. 37 Theorems for Cask Gauging
- p. 38 To Ullage a Standing Cask



Item P9, Thomas Proctor, Page 10-11, Circle to parallelogram

- p. 39 To Ullage a Lying Cask
p. 45 Chronology: Propositions concerning the common Notes according to the new Calendar [for example, To find the Golden Number Cycle...]

Note:

Attractive etchings on covers.

Item P10

Date: 9 October 1865

Author: John Peters

Place: Horsham Free Grammar School

Contents:

- p.1 School crest
p. 5 Duodecimals
p. 53 Bills of Parcels [not Walkingame]
[p. 76 Duodecimals]

Notes:

Rule for multiplying duodecimals given with no justification: $\text{ft}^2 = \text{ft} \dots$

Question marks omitted, eg p. 30

Item R1a

Date: 1836+ (watermark on blotting paper, 1836)

Author: Hugh Rayner Pottone (?)

Place: Bedfordshire

Contents:

- p. 1 Problem 4 To find the area of a Triangle
[Problems 13, Pythagoras; 18 Trapezium; 28 Trapeziod (sic)]
[pp. 42–43 several pages torn out, including probably Surveying heading]
p. 51 To survey with the Chain
p. 67 Laying out and Dividing Land
[NB requires a square root which is in R3, p. 71]
p. 115 To survey several fields together with the chain

Note:

Name on spine of R1b and on blotting paper

Item R1b

Date:

Author: Hugh Rayner Pottone

Place:

Contents:

- p. 1 Land Surveying continued
p. 59 Vulgar Fractions
p. 63 Reduction [of VF]
p. 89 Addition [of VF]
p. 95 Subtraction [of VF]
p. 101 Multiplication [of VF]

p. 105 Division [of VF]
p. 109 Proportion
p. 117 Inverse proportion
p. 123 Double proportion
p. 131 Decimals
p. 132 Addition [of decimals]
p. 135 Subtraction [of decimals]
p. 137 Multiplication [of decimals]
p. 143 Division [of decimals]
p. 159 Reduction
p. 161 Proportion

Note:

See also **R1a–e**

Item R1c

Date:

Author: Hugh Rayner Pottone

Place:

Contents

p. 1 Square Root [‘Application’ in Walkingame]
p. 12 Cube Root
p. 23 Application of cube root
p. 27 Biquadrate Root
p. 33 Duodecimals
p. 41 Artificers’ work
p. 56 Flooring
p. 59 Measuring by the Rod
p. 63 Timber Measure
p. 71 Square Timb[er]
p. 77 Round Timber
p. 81 Alligation
p. 87 Alligation Alternatre
p. 95 Alligation Total
p. 99 Single Position
p. 107 Double Position
p. 117 Arithmetical Progression

Note:

See also **R1a–e**

Source:

Walkingame

Item R1d

Date:

Author: Hugh Rayner Pottone ?

Place:

Contents:

p. 1	Spain [Exchange]
p. 4	Italy
p. 9	Portugal
p. 13	Holland, Flanders, Germany
p. 22	Ireland
p. 24	Comparison of Weights & Measures
p. 27	Conjoined Proportion
p. 32	Arithmetical Progression
p. 43	Geometrical Progression
p. 58	Permutation
p. 61	Vulgar Fractions
p. 62	Reduction of V F
p. 88	Addition of V F
p. 95	Subtraction [of VF]
p. 103	Multiplication [of VF]
p. 107	Division [of VF]
p. 111	Rule of Three Direct [in V F]
p. 120	Rule of Three Inverse
p. 125	Double Rule of Three
p. 130	Decimal Fractions
p. 134	Addition [of decimals]
p. 137	Subtraction [of decimals]
p. 138	Multiplication [of decimals]
p. 143	Division [of decimals]
p. 150	Reduction
p. 168	Rule of Three [in decimals]
p. 186	Extraction of the Square Root
p. 195	Square root in vulgar fractions
p. 213	Extraction of the Cube Root
p. 231	Application
p. 240	Extraction of the Biquadrate Root
p. 244	Practical Geometry (Bonnycastle)
p. 256	Problem 1

Note:

[Last page Examd. Xmas 1814 W R]

Book **R1e** follows on.

Source:

Directly from Walinghame up to p. 244

Bonnycastle on p. 244

Item R1e

Date:

Autor: Hugh Rayner Pottone ?

Place:

Contents:

p. 2	Practical geometry continued
------	------------------------------

- p. 3 Problem 7
- p. 45 Problem 40
- p. 46 Mensuration of Superficies
- p. 145 Conic Sections
- p. 200 Mensuration of Solids

Note:

[Exam Xmas 1815 WR(?)]

Follows on from **R1d**.

Source:

Geometry from Bonnycastle, eg B22

Item R6

Date: 8.5.1838

Author: Ludlam Ramsden

Place: Clifton

Contents:

- p. 1 biographical family notes
- p. 1 Mensuration of Solids
(for various solids, eg, cones, sphere, icosahedron,) to p. 101

Numbering from the back of the book:

- p. 1 [Algebra]

Complicated algebraic work, eg, finding greatest common measure of two 'functions';
reducing a function to its lowest terms ...

Item R7

Date: 9 February 1804 (p. 0); 9 February 1803 (p. 127); 9 February 1804 (p. 129)

Author: Robert Rolf

Place:

Contents:

- p. 1 Multiplication
- p. 4 Division (Proof by casting out 9s)
- p. 11 Division of money
- p. 15 A general rule for weight
- p. 19 Reduction
- p. 43 Avoirdupois weight
- p. 50 Troy weight
- p. 54 Cloth Measure
- p. 57 Liquid Measure
- p. 62 Dry Measure
- p. 66 Long Measure
- p. 73 Tare & Tret
- p. 88 The Single Rule of Three
- p. 113 The Rule of Three Inverse

Notes:

- p. 0 Includes a poem
- p. 18 Drawings and 'WALTER FELGAT'
- p. 85 'Take Note all the writing on this leaf is wrong'
- p. 89 'Robert Rolf His Cyphering Book'
- p. 108 In pencil, upside down 'Mrs Harris Wookamham'
- p. 127 'Robert Rolf His Cyphering Book 9 November 1803'
- p. 129 'Robert Rolf His Cyphering book Feb 9th 1804
Joe Rolf's Grandfather
His youngest great grandfather'

Generally scruffy, with a lot of later scribble.

Possibly teacher's marking, eg pp. 2, 3 but could be just scribble.

Drawings and scribble at various places; pp. 26, 28, 33, 35, 40, 72, 111, 120

Sources:

NOT Walkingame or Vyse. Would repay careful study.

Item S1a

Date: 14.7.1781

Author: James Sharp(e)

Place:

Contents:

- p. 3 Vulgar Fractions
- p. 5 Reduction of Vulgar Fractions
- p. 34 Addition of Vulgar Fractions
- p. 43 Subtraction of Vulgar Fractions
- p. 48 Multiplication of Vulgar Fractions
- p. 54 Division of Vulgar Fractions
- p. 57 Golden Rule in Vulgar Fractions
- p. 66 Decimals
- p. 69 Reduction of Decimals
- p. 78 Addition of Decimals
- p. 80 Subtraction of Decimals
- p. 81 Multiplication of Decimals
- p. 83 Division of Decimals
- p. 86 The Golden Rule of Decimals
- p. 98 Practice of Decimals
- p. 108 Extraction of the Square Root
- p. 121 Extraction of the Cube Root
- p. 145 Cross Multiplication
- p. 151 Measuring by the Foot Square as Glaziers' ...
- p. 153 Measuring by the Yard Square ...
- p. 166 Measuring by the Rod

Notes:

Includes horticultural papers + Band of Hope Card

- p. 53 Multiply £19:19:9d by £19:19:9d.

p. 145 Table, eg feet multiplied by Parts give Parts
See also S1b.

Item S1b

Date: 27.8.1782

Author: James Sharp(e)

Place:

Contents:

- p. 3 Practical Geometry, Definitions
- p. 74 ? Heading missing?
- p. 75 [Area] Of the Chain (Gunter's)
- p. 77 Square Measure

Note:

Constructions to p. 73; thereafter area calculations.

Item S3

Date: 1859

Author: Elias Slous

Place:

Contents:

- p. 3 Extraction De la Racine Cube
- p. 8 Questions Sur la Racine Cube
- p. 18 L'Arpentage (où) Planimetrie (Surveying)
- p. 20 Table des mesures courantes Usitées à Jersey
- p. 26 Arpentage, Mésure des Terres de Figure Triangulaire
- p. 42 De la mésure des Terres de Figures Quarée où des Quadrilaterres tant Reguliers ou irreguliers
- p. 56 Des Pentagones et autre Poligones soit reguliers où irreguliers
- p. 67 Des figures Curvilignes comme est le Cercle et ses parties
- p. 83 Calendrier Gregorien
- Notes communes du Calendrier Gregorian au nouveau Style

Note:

In French (but English units) Jersey (p. 20)

Source:

- p. 68 Ozanam

Item S4a

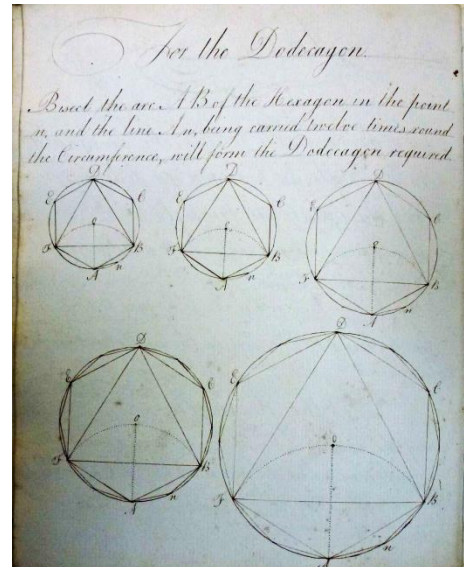
Date: 1838–9

Author: Robert Speed

Place: Spittlegate

Contents:

[First pages torn out]



Item S1b, James Sharp(e), Page 46,
Dodecagon from a hexagon

- [p. 1 Reduction eg in £25:14:1, how many pence (sic)]
- p. 27 Rule of Three
- p. 49 Practice
- p. 64 Simple Interest
- p. 68 Discount
- p. 72 Compound Interest
- p. 79 Equation of Payments
- p. 82 Barter
- p. 86 Loss and Gain
- p. 90 Single Fellowship
- p. 101 Double Fellowship
- p. 114 Vulgar Fractions: Reduction

Notes:

Bought at a different time from S4b.

p. 21 How many ducatoons at 5s 6½d are worth 1463 cobs at 4s 7d each.

pp. 31, 33 angled text?

p. 42 Length of steeple 73 yards 0 feet, 11 55/75 inches !

Item S4b

Date: 1839-40 (30.10.1839, p. 10; 21.8.1840, p. 59)

Author: Robert Speed

Place: Spittlegate

Contents:

- p. 1 Fractions Vulgar (Reduction continued)
- p. 14 Addition [of VF]
- p. 16 Subtraction [of VF]
- p. 20 Multiplication [of VF]
- p. 23 Division [of VF]
- p. 26 Rule of Three in Fractions
- p. 31 Rule of Three Inverse
- p. 34 Decimal Fractions – Addition
- p. 36 Subtraction [of decimal fractions]
- p. 39 Multiplication [of decimal fractions]
- p. 43 Division [of decimal fractions]
- p. 47 Reduction
- p. 60 Rule of Three
- p. 71 Exchange

Source:

Not Walkingame

Item S5

Date: 20 November 1798 (covered in parchment indenture 1794?)

Author: John Slappers? Other names, eg, John Jeffries, on some pages.

Place:

Contents:

- p. 1 Cube Root
- p. 26 The Use of the Cube Root
- p. 46 A Table of the Specific Gravity or weight of a cubic Inch

Notes:

p. 49+ Prose, mostly needlework instructions (crochet), but also some writing practice, eg, 'Palestine the chief city of Jerusalem', 'Amazon the largest river in the World'
Some pages worked from the back.

Item S6

Date: 1822 watermark

Author: John Skineer

Place: Yeoman, Northmundham, Sussex

Contents:

- p. 1 Comp. Subtraction
- p. 12 Multiplication
- p. 22 Comp. Multiplication
- p. 27 Division (pp. 23–24 may belong between 30 and 31)
- p. 34 Comp. Division
- p. 47 Reduction
- p. 48 Weights & Measures
- p. 71 Single Rule of Three Direct
- [p. 78 onwards questions located in Walkingame W13)
- p. 91–92 misplaced? Reduction?
- p. 105 Practice (p. 121–122 misplaced?)
- p. 134 Double Rule of Three (p. 133–134 misplaced?)
- p. 139 Rule seems to be for Double Rule of Three

Note:

Disbound and pages missing. Other pages not in order.

Source:

Last part mainly Walkingame, but first part not. Requires much further study.

Item S7

Date: 16.12.1850–23.1.1852

Author: Sam Stevenson

Place: Breaston, Derbyshire

Contents:

- p. 1 Letter in draft
- p. 3 Vulgar Fractions
- p. 13 Addition (of V F)
- p. 15 Subtraction
- p. 16 Multiplication
- p. 17 Division ('invert')
- p. 18 Rule of Three

p. 19	Double Rule of Three
p. 20	Desemal (sic) Fractions
p. 21	Addition
	Subtraction
p. 22	Multiplication
p. 23	Contracted Multiplication
p. 24	Division
p. 26	Reduction (V F to decimal)
p. 29	The Rule of Three
p. 31	Exchange
p. 38	Conjoined Proportion: or Compound Arbitration of Exchange
p. 40	Involution
p. 41	Square Root
p. 48	Cube Root
p. 59	Biquadrate Root
p. 60	Single Position
p. 62	Double Position
p. 65	Arithmetical Progression
p. 68	Geometrical Progression
p. 72	Simple Interest by decimals
p. 78	Annuities
p. 86	Discount
p. 89	Equation of Payments
p. 91	Compound Interest
p. 97	The amount of annuities in arrears
p. 102	Present Worth of Annuities
p. 106	Annuities in Reversion
p. 110	Perpetual Annuities on Freehold Estates
p. 111	Freehold Estates in Reversion
p. 114	Rebate or Discount
p. 116	Duodecimals -
p. 119	Glazing ... etc
p. 130	A Collection of questions

Source:

Follows Walkingame very closely

Item S8

Date: 26.9.1867–1868

Author: John Sewell

Place: 'Copy Book' Calderbridge School

Contents:

p. 1	Reduction of Vulgar Fractions [NB 'Case 6']
p. 30	Addition of V F
p. 33	Subtraction of V F
p. 38	Multiplication of V F
p. 42	Division of V F [NB cf Walkingame 13 p. 94 'invert']
p. 46	Single Rule of Three Direct in V F

- p. 51 Rule of Three Inverse in V F
- p. 53 Double Rule of Three in V F
- p. 56 Decimal Fractions
- p. 58 Addition of Decimals
- p. 61 Subtraction of Decimals
- p. 64 Multiplication of Decimals
- p. 68 Division of Decimals
- p. 73 Reduction of Decimals
- p. 82 Rule of Three in Decimals

Notes:

Scribble on pp 31, 34, 40

Red ink ticks on pp 2*, 59, 60, 61*, 62, 63, 74

[* correction of calculation]

Source:

Walkingame with extra examples

Item S10a

Date: 1832

Author: Robert Smith

Place: Green Row (Abbey Holme, Cumberland)

Contents:

- p. 3 Etching of Green-Row (sic)
- p. 7 Single Rule of Three
- p. 9 Direct Proportion
- p. 19 Inverse Proportion
- p. 22 Direct and Inverse Proportion Promiscuously
- p. 53 Double Rule of Three
- p. 73 Practice
- p. 95 Promiscuous Questions to Exercise All the foregoing Rules
- p. 129 Tare Trett [etc]
- p. 142 Barter
- p. 148 Gain and Loss
- p. 156 Simple Interest
- [p. 169 Discount]
- [p. 172 Commission and Brokerage]
- p. 178 Compound Interest
- p. 179 C I Table
- p. 194 Exchange
- p. 220 Single Fellowship [without time]
- p. 230 Double Fellowship [with time]
- p. 243 Questions to Exercise all the foregoing Rules
- p. 273 Vulgar Fractions
- p. 275 Reduction of V F
- p. 299 Addition of V F
- p. 304 Subtraction of V F

- p. 307 Multiplication of V F
- p. 309 Division of V F (reciprocal)
- p. 312 Rule of Three in V F
- p. 319 Decimal Fractions
- p. 321 Reduction of Decimals
- p. 336 Addition of Decimals
- p. 342 Subtraction of Decimals
- p. 347 Multiplication of Decimals
- p. 352 Division of Decimals
- p. 358 Duodecimals
 - Multiplication [of duodecimals)
- p. 371 Square Root
- p. 381 Cube Root
- p. 395 Some Uses of the Square Root
- p. 405 Use of the Cube Root
- p. 410 Questions in the Uses of the Square and Cube Roots
- p. 420 Arithmetical Progression
- p. 432 Geometrical Progression

Notes:

R Reid on p. 445

See also B1.

Source:

Arithmetic, not Walkingame

Item S10b

Date: 1832

Author: R Smith (Robt Reid, p. 5)

Place: Green-row

Contents:

- p. 7 The Rule of Three Direct
- p. 25 The Rule of Three Inverse
- p. 30 Direct and Inverse Proportion Promiscuously Arranged
- p. 39 The Double Rule of Three
- p. 48 Practice
- p. 66 Tare and Trett (etc)
- p. 74 invoices or Bills of Parcels
- p. 79 Simple Interest
- [p. 93 Commission and Brokerage]
- p. 98 Discount
- p. 111 Compound Interest
- p. 121 Equation of Payments
- p. 125 Barter
- p. 132 Gain and Loss
- p. 141 Fellowship or Partnership
 - Fellowship without Time
- p. 161 Fellowship with Time

- p. 172 Alligation
 - Alligation Medial
- p. 176 Alligation Alternate
- p. 179 Alligation Partial
- p. 182 Alligation Total
- p. 187 Comparison of Weights and Measures
- p. 188 Permutation
- p. 190 Vulgar Fractions
- p. 192 Reduction
- p. 217 Addition (of V F)
- p. 222 Subtraction
- p. 226 Multiplication
- p. 228 Division (invert)
- p. 231 The Rule of Three (in V F)
- p. 237 The Double Rule of Three
- p. 241 Decimal Fractions
- p. 245 Addition (of decimals)
- p. 247 Subtraction (of decimals)
- p. 249 Multiplication
- p. 253 Division
- p. 260 Reduction
- p. 268 The Rule of Three
- p. 278 Exchange
- p. 299 Conjoined Proportion
- p. 304 Involution
- p. 309 Evolution
- p. 310 Square Root
- p. 329 Cube Root
- p. 347 Biquadrate Root
- p. 349 A General Rule for extracting the Roots of all Powers
- p. 353 Single Position
- p. 357 Double Position
- p. 364 Arithmetical Progression
- p. 373 Geometrical Progression
- p. 385 Duodecimals
- p. 409 A collection of Questions
- p. 447 'Fame' poem

Note:
See **B1**

Item S10c

Date: 1832

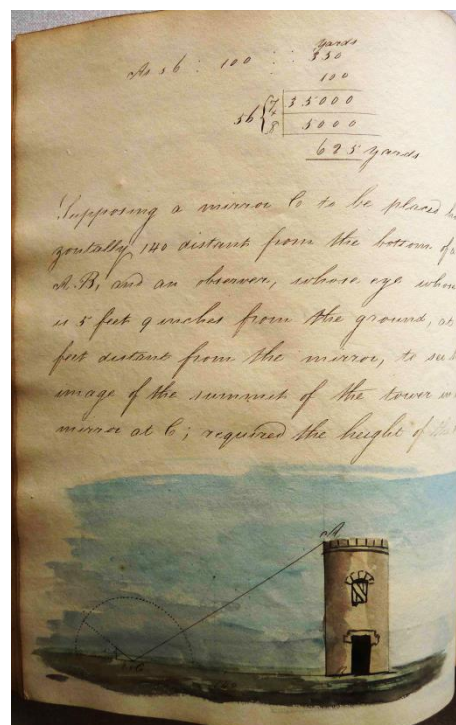
Author: Robert Smith

Place: Green Row

Contents:

Geometry Trigonometry Mensuration and Surveying

p. 5 Practical Geometry



Item S10c, Robert Smith, Page,
Height of a tower.

Geometrical Definitions
 p. 16 Geometrical Problems
 p. 47 Problems in Geometry Preparatory to Trigonometry Problems
 p. 62 A Plane Scale (trig ratios)
 p. 66 Plane Trigonometry
 Solution of right angled Plane Triangles
 p. 104 Solution of Oblique Angled Triangles
 p. 139 Mensuration of Heights and Distances
 p. 180 Mensuration of Superficies
 p. 337 Land Surveying
 Note:
 Coloured drawing pp. 144–169

Item S10d

Date: 1833
 Author: Robert Smith
 Place: Green Row

Contents:
 Arithmetic
 p. 5 Practical Questions upon Common Rules
 p. 197 Miscellaneous Questions

Notes:
 Two collections of questions – many interesting!
 Robert Reid on Bills pp 239–248

Item S10e

Date: 1833
 Author: R Smith
 Place: Green Row

Contents:
 p. 7 Mensuration of Solids
 Definitions
 p. 13 Problem 1st
 p. 106 Table ‘tetrahedron’ etc
 p. 117 Table of Specific Gravities
 p. 122 Description and Use of the Carpenter’s Rule
 Description (Cogeshall’s Sliding Rule)
 p. 125 The Use of the Sliding Rule
 p. 138 Timber Measure
 p. 151 Miscellaneous Questions Concerning Solids
 p. 196 Artificers’ Work
 p. 198 Bricklayers’ Work
 p. 203 Masons’ Work
 p. 216 Carpenters’ and Joiners’ Work
 p. 234 Slaters’ and Tilers’ Work
 p. 238 Plasterers’ Work
 p. 244 Painters’ Work

p. 250 Glaziers' Work
 p. 254 Plumbers' Work
 p. 258 Pavers' Work
 p. 263 Vaulted and arched Roofs

Notes:

Leeds pp. 64, 210–214
 Tinker rhyme p. 192
 'window sole' p. 209

Item S11

Date: 1847

Author: M Stansted

Place:

Contents:

Page(s) missing before p. 3
 [p. 3 Alligation ?]
 p. 8 Fraction (Reduction)
 p. 22 Promiscuous Questions
 p. 27 Addition (of Fractions)
 [pp. 28–29 p missing]
 p. 30 Subtraction
 p. 32 Multiplication
 p. 34 Division 'invert'
 p. 37 Rule of Three in Fractions
 p. 42 Decimals
 p. 43 Addition of Decimals
 p. 45 Subtraction
 p. 47 Multiplication of Decimals
 p. 49 Division
 p. 53 Reduction of Decimals
 p. 57 The Rule of Three of Decimals (sic)
 p. 59 Duodecimals
 p. 62 Square Root
 p. 66 Cube Root
 [p. 67 ? Heading missing]

Item S12

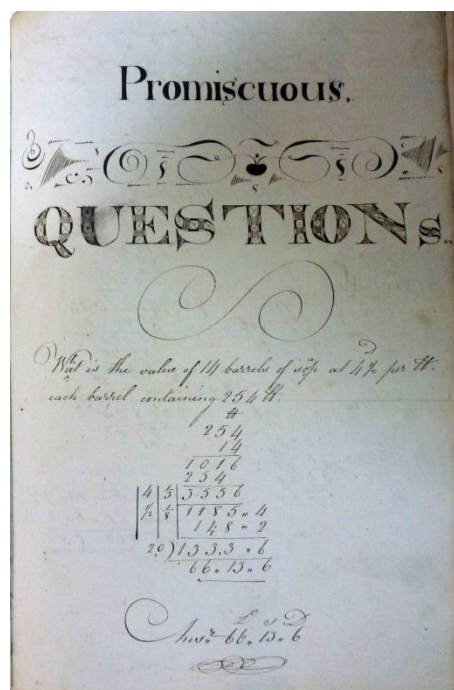
Date: 1819

Author: Benjamin Stephenson

Place: Anderby, near Alford, Lincolnshire

Contents:

p. 1 Biographical note
 p. 2 Vulgar fractions
 p. 3 Reduction of V F
 p. 19 Addition of V F
 p. 23 Subtraction of V F



Item S12, Benjamin Stephenson, Page 248, Promiscuous questions title page

- p. 27 Multiplication of V F
- p. 30 Division of V F (uses 'invert')
- p. 35 Single Rule of 3 direct in V F
(? not Walkingame but questions ex Walkingame)
- p. 39 Single Rule of 3 inverse in V F
- p. 42 Double rule of 3 in V F
- p. 46 Decimal Fractions
- p. 48 Addition of decimals (questions ex Walkingame)
- p. 51 Subtraction of decimals
- p. 53 Multiplication of decimals Walkingame
- p. 57 Division of decimals
- p. 62 Reduction of decimals
- p. 71 Rule of 3 in decimals
- p. 77 Duodecimals or what is generally called Cross Multiplication ..
- p. 80 Glaziers' work
- p. 82 Measuring by the yard square
- p. 91 Measuring by the Rood
- p. 93 Extraction of the square root
- [p. 110 Matlock question – see Vyse 1810, p. 174 Q8]
- p. 113 Extraction of the cube root. Note in rhyme – error in line 1 'cube' -> 'root'
- p. 129 Extracting of the biquadrate root
- p. 131 Simple interest
- p. 144 Annuities
- p. 159 Present worth of annuities
- p. 177 Annuities taken in reversion
- p. 185 Discount
- p. 196 Equation of payments
- p. 200 Compound interest
- p. 213 Annuities in arrears
- p. 221 Annuities – Present worth table
- p. 229 Leases in Reversion
- p. 241 Discount
- p. 248 Promiscuous questions all ex Walkingame
- [p. 260 'When first the marriage Knot']
- p. 261 Practical Geometry

Contents:

Inscriptions

- p. 1 Biographical note
- p. 31 Benjamin Stephenson Anderby 1820
- p. 41 B... S... His Book Anderby Lincolnshire 1820
- p. 70 B... S... His Book Anderby Near Alford Lincolnshire 1820
- p. 75 B... S... Anderby
- p. 92 B... S...
- p. 99 B... S... His Book Anderby Ner (sic) Alford Lincolnshire January 17th 1821 [Appears to be in a different hand]
- p. 101 B... S... His Book Anderby Near Alford Lincolnshire January 11th 1821
- p. 105 B... S... Anderby January 16th 1821
- NOTE DATES OF LAST THREE
- p. 120 B... S... Anderby 1821

p. 135 B... S... Anderby 1821
 p. 142 B... S... Anderby 1820 NB Date
 p. 185 B... S... Anderby 1821
 p. 188 ditto
 p. 190 ditto
 p. 204 ditto
 p. 209 B. Stephenson Anderby 1821
 p. 213 B... S... Anderby 1821
 p. 226 Benjn S... 1821
 p. 271 B... S... His Book Anderby Near Alford Lincolnshire
 p. 277 B S A 1821
 p. 279 B S
 p. 282 Benjn S... Anderby 1821
 p. 290 B... S... Anderby December 14th 1821
 p. 291 B. S... Anderby
 p. 292 B. S. A. 1821
 p. 294 B.. S... Anderby 1821
 p. 299 B. S. A. 1821
 p. 313 BS device with N
 p. 318 B. Sn 1822
 p. 328 B. S. 1821
 p. 332 B.S. 1822
 p. 334 B... S... 1822
 p. 336 1822 with pencilled 'Chris ????' January 1836
 p. 338 1822 also p. 340
 p. 346 B... S... 1822
 p. 349, p. 350 Benjn S... 1822
 p. 352 ????? 1822
 p. 353 Benjn Sn 1822
 p. 354 Benjn S... 1822
 p. 365 B... S... His Book Anderby 1822

Item S13

Date: 1870 pencilled on title page; watermak 1867 on p. 43

Author: Octavius Saniger

Place: Long Ashton School, Bristol

Contents:

p. 31 222 in pencil; p. 59 153; p. 67 223 etc pp. 73, 104
 p. 3 Reduction examples only – no 'Rule'
 NB dp s omitted
 p. 57 Rule of Three – no Rule, some eg's from Walkingame
 p. 97 Square Root Rule given some eg's from Walkingame

Item S14

Date: 1842 p. 14

Author: John Speed

Place:

Contents:

Accompt. Book

- p. 0 Numeration
- p. 4 Simple Addition
- p. 6 Miscellaneous questions
- p. 12 Subtraction
- p. 13 Miscellaneous questions
- p. 18 Multiplication
- p. 29 Miscellaneous questions
- p. 34 Division
- p. 44 Miscellaneous questions
- p. 49 Addition: Compound Addition
- p. 51 Examples of Weights and Measures
- p. 56 Miscellaneous questions
- p. 61 Subtraction: Compound Subtraction
- p. 64 Examples of Weights and Measures
- p. 67 Miscellaneous questions
- p. 73 Multiplication: Compound Multiplication
- p. 74 Examples of Money
- p. 75 Examples of Weights ...
- p. 78 Miscellaneous questions
- ‘Proof’ of addition by adding first all nos except first

Note:

Very neat – would copy well.

p. 33 ‘If a boy can point 16 Thousand pins in an hour ...

Item S15

Date: 1850 (p. 1)

Author: Master J T Smith

Place:

Contents:

- p. 2 Drawing of lady on horse
- p. 5 Double Fellowship
- p. 21 Reduction of Vulgar Fractions
- p. 53 Addition of V F
- p. 69 Subtraction of V F
- p. 75 Multiplication of V F
- p. 79 Division of Fractions
- p. 82 The Rule of Three in V F
- p. 89 Addition of Decimals
- p. 91 Subtraction of Decimals
- p. 93 Multiplication of Decimals
- p. 95 Division of Decimals
- p. 99 Reduction of Decimals
- p. 110 The Rule of Three Direct in Decimals
- p. 117 inverse Proportion in Decimals
- p. 101 HB (?) Xmas ‘50

Item S16

Date: ? late 19th century?

Author: Miss Smith

Place: 'Arithmetic' by Miss Smith at Miss Treadwell's, Walton

Contents:

- p. 5 Addition of Money (?), Weights and Measures
- p. 17 The Application (word problems)
- p. 28 Subtraction
- p. 35 The Application (of subtraction)
- p. 44 Multiplication
- p. 64 The Application
- p. 76 Compound Division
- p. 78 The Application
- p. 84 Poem 'Our Baby' in manuscript

Notes:

Addition. The numbers are added as usual, but then a 'Proof' is performed. This involves subtracting the first number from the total found and then adding the first number to the result found above; the total less the first number.

No rough working, even with quantities to be converted (eg £, s, d).

Item T1

Date:

Author: George Thorn (?)

Place:

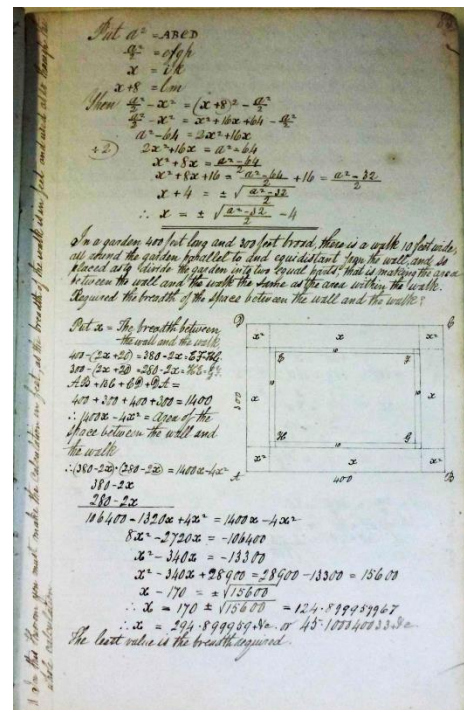
Contents:

Small size neat manuscript on Algebra

- p. 1 Equations
- p. 2 Simple Equations
- p. 15 Simultaneous Equations
- p. 21 Equations with three or more unknown quantities
- p. 28 Word problems
- p. 41 Quadratic Equations
- p. 51 Word problems leading to quadratic equations
- p. 76 Pythagoras-based problems
- p. 78 Word problems – many geometrically based
- p. 32 top 'When first the marriage knot was tied ...'
- p. 43 $\sqrt{-16\frac{1}{2}}$ in solution
- p. 45 soln wrong $(x + \sqrt{x})^2 \neq x^2 + x$

Notes:

- p. 28 Questions (ex Walkingame?) solved also by Rule of False
- p. 30 ditto



Item T1, George Thorn, Page 85, Rectangle problem and algebra

Item T2

Date: 1795 (et al – see inside front cover)

Author: John Thurstan

Place:

Contents:

- p. 3 Alligation Medial
- p. 8 Alligation Alternate
- p. 12 alternation Partial
- p. 16 Alternation Total
- p. 20 Position Single Position
- p. 27 Double Position
- p. 40 Arithmetical Progression NB p. 44 curious & in Walkingame
- p. 51 Geometrical Progression
- p. 62 Permutation
- p. 66 Vulgar Fractions
- p. 68 Reduction of V F
- p. 95 Addition of V F
- p. 100 Subtraction of V F
- p. 104 Multiplication
- p. 106 Division
- p. 110 Single Rule of Three Direct in V F
- p. 115 The Rule of Three Inverse in V F
- p. 116 Double Rule of Three in V F
- p. 118 Question [on V F – some from collection at end of W'k'me]
- p. 124 Decimals
- p. 128 Addition
- p. 130 Subtraction
- p. 131 Multiplication
- p. 133 Division
- p. 138 Reduction of Decimals
- p. 154 Single Rule of Three Direct in Decimals
- p. 162 The Square Root
- p. 173 The Use of the Square Root

Notes:

- p. 80 text in another hand
- Rhyme problems pp. 26, 33, 35, 39, 120, 178
- Dynamics problems pp. 160, 161

Source:

Walkingame, with extra examples, esp rhymes

Item T3a

Date: c. 1835

Author: Nicolas Roundell Toke

Place: Corpus Christi College Cambridge

Contents:

- P[. 1 Longimetry or the Praxis of Plain Trigonometry
Problem 1st
... Problem 14th p. 26
NB 10 Scholium

Note:

Good etchings

Item T3b

Date: c. 1835

Author: Nicolas Roundell Toke

Place: Corpus Christi College, Cambridge

Contents:

- p. 1 Unfinished diagram
p. 1 Plain Trigonometry
p. 3 Definitions
p. 7 Axioms
p. 8 The Geometrical Construction of the Plain Scale
p. 9 The Resolution of the Seven Cases of Right-Angl'd Plain Triangles
p. 18 The Resolution of the Six Cases of Oblique-Angl'd Plain Triangles
p. 29 The Solution of the first five cases of the Oblique-Angl'd Triangles by the help of a Perpendicular

Item T3c

Date: c. 1835

Author: Nicolas Roundell Toke

Place: Corpus Christi College, Cambridge

Contents:

- p. 1 The Mensuration of Superfices
p. 18 The Mensuration of Solids

Item T4

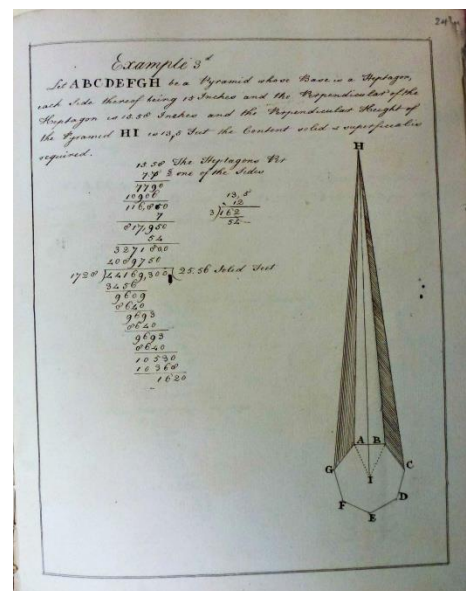
Date:

Author: Alice Thompson

Place: Pradwing (?) School, Derby

Contents:

- p. 1 Proportion
p. 12 Practice?
p. 20 G C M
p. 24 Reduction of V F
p. 28 Addition of V F
p. 32 Subtraction of V F
p. 33 L C M
p. 34 Fraction + & - sums
p. 38 Miscellaneous sums



Item T3c, Nicolas Roundell Toke,
Page 24, Heptagonal pyramid

Note:
Arithmetic questions with teacher's marking

Item T6

Date: 1768
Author: Edmund Tompkins
Place:

Contents:

- p. 1 Mensuration
- p. 4 Superfic
- [p. 6 parallelogram = long square, ie rectangle
- p. 12 trapezium = quadrilateral]
- p. 45 Solids
- [p. 54 cone = sugar loaf]
- p. 76 Measuring work of artificers
- p. 76 carpenters
- p. 77 roofing
- p. 78 doors
- p. 82 bricklayers
- p. 88 chimneys
- p. 92 plasterers
- p. 95 joiners
- p. 99 painters
- p. 101 glaziers
- p. 104 masons
- p. 105 Measuring boards, timber
- p. 120 Gauging
- NB p. 122 area = volume, see Note p. 123
- p. 163 Surveying.
- NG Edw. 1 statute 1305 re acres, etc
- p. 167 Gunter's Chain p. 171 'advert' for John Fowler (?)
- p. 185 To plot a field at one station
- p. 207 To plot a field at two stations

Notes:

pages missing? 58–59; 76–77; 112–113
Either two different hands, OR 'text' in copper-plate 'examples' in ordinary hand.

Source:

NOT Bonnycastle

Item W1

Date: 20.12.1842
Author: C White
Place: Uppingham, Rutland

Contents:

- p. 1 The Square Root Continued
- p. 6 To Extract the Square Root of a Vulgar Fraction

- p. 8 Use of the Square Root
- p. 23 The Extraction of the Cube Root
- p. 33 Exchange
- p. 52 To Exchange Current Money into Banco
- p. 65 Comparison of Weights and Measures
- p. 70 Position or The Rule of False
- p. 71 Single Position
- p. 79 Double Position
- p. 83 Arithmetical Progression
- p. 99 Geometrical Progression
- p. 112 Permutation or Variation
- p. 115 Practical Mensuration
- p. 116 Geometrical Definitions
- p. 129 Geometrical Problems

Notes:

Scribble pp. 26, 39, 40, 74, 79, 82, 83, 86, 90, 91, 97, 114, 120

Damage pp. 89, 105

Sources:

pp. 115 ... Bonnycastle

p. 15 diag cf Vyse Key

Item W2a

Date: 1.10.56

Author: George Whitaker

Place: Clitheroe

Contents:

‘Account Book’

Note:

Part VIA collection of questions set down promiscuously

Source:

Seems to be collections ex Walkingame, from various places in the text.

Item W2b

Date: 28.8.57

Author: George Whitaker

Place: Waddington Academy, Yorks (p. 135)

Contents:

- p. 3 Part IV Mensuration of Superfices cont'd
- p. 101 Part V Artificers' Work
- p. 102 Bricklayers' Work
- p. 112 Mason's Work
- p. 133 Carpenters and Joiners Work

Notes:

Several refs to Leeds, eg pp 105, 124, 129

p. 9 Tetraedron ('h' omitted)

p. 96 Question in rhyme 'One evg. I chanced with a tinker to sit

Source:

NOT Bonnycastle

Item W2c

Date:

Author: George Whitaker

Place: Waddington Academy

Contents:

Mensuration

p. 3 Part VI Hay Stacks Case II

p. 7 Drains and Canals

p. 33 Conic Sections and Their Solids

Note:

Requires more study with the relevant textbook.

Item W3a

Date: 1838

Author: Master Ivor Wrigglesworth

Place: Wymondham

Contents:

p. 3 The Single Rule of Three

p. 29 Inverse Proportion

p. 41 Double Rule of Three [Text not as Walkingame]

p. 49 Practice

p. 83 Simple Interest

Source:

Walkingame

Item W3b

Date: 1838

Author: Master I Wrigglesworth

Place: Wymondham School, W Tyrell Master

Contents:

p. 3 Rebate

p. 15 Compound Interest

p. 22 Equations [of Payments]

p. 28 Barter

p. 35 Profit and Loss

p. 42 Partnership

p. 43 Fellowship without Time [should be 'with']

- p. 48 Fellowship without Time
- p. 53 Alligation ... Alligation Medial
- p. 58 Alligation Alternate
- p. 62 Alligation Partial
- p. 65 Alligation Total
- p. 68 Position
- p. 73 Double Position
- p. 82 Arithmetical Progression

Source:
Walkingame

Item W7

Date: 1854 (watermark 1854, p. 71)
Author: Master Wright
Place: Bilton

Contents:

- p. 7 Tare
- p. 20 Interest
- p. 26 commission
- p. 29 Purchasing of Stock
- p. 37 Brokage (error in stating ques £2775 for £2575)
- p. 40 Insurance
- p. 44 Discount (most questions not from Walkingame)
- p. 55 Compound Interest
- p. 78 Equation of Payments
- p. 81 Barter (many extra questions)
- p. 97 Profit and Loss
- p. 118 Decimals
- p. 120 Addition [of Decimals]
- p. 122 Subtraction [of Decimals]
- p. 124 Multiplication [of Decimals]
- p. 128 Division [of Decimals]
- p. 133 Reduction [VF to dec, etc]
(questions simplified and decimals truncated)

Note:
} at foot of several pp

Source:
Follows Walkingame closely, but with extra questions

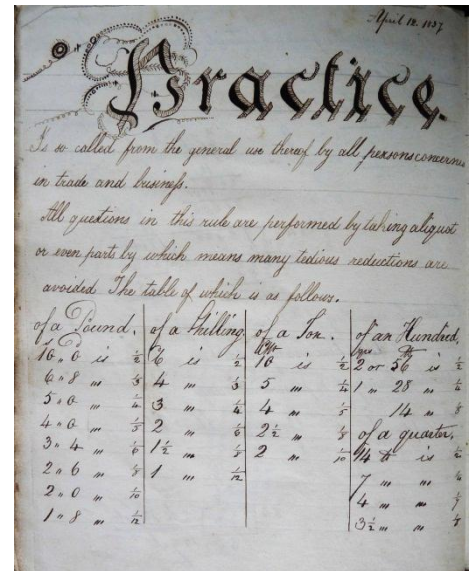
Item W8

Date: 1834
Author: Ann Weetman
Place: Appleton-le-Moss?

Contents:

- p. 1 Numeration

- p. 4 Simple Addition Oct 24
- p. 7 Simple Subtraction Nov 3
- p. 9 Simple Multiplication Nov 7 Check by casting 9s
- p. 21 Simple Division Dec 9
- p. 34 Compound Addition
- p. 52 Compound Subtraction
- p. 63 Compound Multiplication
- p. 86 Division
- p. 95 Bills of Parcels cf W9, but different names
- p. 100 Reduction
- p. 102 Reduction Descending
- p. 106 Reduction Ascending
- p. 110 Ascending and Descending
- p. 143 Simple Rule of Three Direct
- p. 172 Rule of Three Inverse
- p. 177 Double Rule of Three
- p. 186 Practice
- p. 217 Interest Simple Interest
- p. 221 Commission
- p. 224 Purchasing Stock
- p. 228 Brokage
- p. 249 compound Interest



Item W8, Ann Weetman, Page 186,
Arithmetical practice.

Note:

Paper clipped to pp 93–98 refers to Appleton-le-Moss?? 1835

Item W9

Date: 16 Dec 1809 - 1810

Author: Elizabeth Wayman

Place:

Contents:

- p. 1 Multiplication
- p. 9 Multiplication of Money
- p. 25 Questions in Multiplication
- p. 39 Division
- p. 43 Long Division (with proof)
- p. 53 Compound Division
- p. 59 Addition of Weights and Measures
- p. 65 Subtraction of Weights and Measures
- p. 68 Multiplication of Weights and Measures [NB Square Measure p. 71]
- p. 72 Division of Weights and Measures
- p. 75 Bills of Parcels [cf W8]
- p. 83 Reduction
- p. 117 Rule of Three Direct Proportion

Note:

Bills of Parcels ?? Names of family classmates used cf W8

Item W10

Date: 9 July 1817

Author: John Walton

Place: Liverpool? (see p. 71)

Contents:

- [2 Rule of Three eggs]
- [3 W's Promiscuous eggs – NB not in order to p. 13]
- p. 14 14 source
- p. 15–22 top, excl p. 19 W's Prom eggs
- [p. 22 SI (ex W p. 69)
- p. 24 Commission (W p. 70)
- p. 26 Brokage (W p. 72)]
- p. 28 Q7 GP then W P eggs
- p. 31 FP W p. 104
- p. 32 W P eggs
- p. 33–34 Chess Board GP q
- p. 35 SI W p. 76
- p. 36 CI W p. 78
- p. 38 foot Profit & Loss W p. 83 ... 42 top
- p. 42 foot Reduction of VF W p. 114
- p. 44 W p. 84 Profit & Loss
- p. 45 W p. 118
- p. 47 Rule of 3 dec W p. 131
- p. 48 top W p. 135 foot W p. 127 q21
- p. 49 W p. 126
- p. 51 foot W p. 135
- p. 52 top W p. 134
- p. 53 W p. 138;
- p. 54 W p. 139
- p. 55 1 A's age is double of B's ...
2 A certain sum of money .
- p. 56 4 What number is that which being increased by $\frac{1}{2}$...
 - A clock hath two hands or pointers ...
 - Four merchants A B C D gain 2000£ ...
- p. 57 - A greyhound is coursing a hare ...
 - Three companies of soldiers .. shepherd..
- p. 58 - There is an island 73 miles round ...
- p. 59 - One evening I chanced with a tinker to sit
- p. 61 - As I sat by the fire on a cold winter's night.
- p. 62 - As I was beating on the Forest grounds Vyse 1870 p. 67
- p. 63–64 - A certain man two daughters had
- p. 65 - Seven men bought [a] Grindle stone of 60 Inches ...
- p. 66 - A person finding several beggars at his door [soln by single posn]
 - A and B play at cards. A stakes B 8s to 6s .. [soln by double posn]
- p. 67 - Four merchants - same as p. 56
?34 If a cardinal can pray ..
- p. 68 4 If 100 stones are placed in a right line ... (AP)
 - Bought 120 oranges at 2 a penny
 - B and C together can build a boat in 18 days

- p. 69 25 In an orchard of fruit trees $\frac{1}{2}$.. apples
 - A young hare starts 40 yards
 p. 70 - When first the marriage knot .. NB My age did her's ..
 BUT NB But when ten years ...
 Cf W page 189 q120
 p. 71 Miss Belshaw, -----Park, Near Liverpool
 Miss --- A Mr Watson, Sule ? Street, Liverpool

Note:

Page 43 text castigates other authors

Source:

Chiefly examples from Walkingame, but not in order. Refs to Walk. 1821 edn.

Item W11

Date: 1824? (see Bills, p. 5); watermark 1822 on p. 47

Author: George Ward?

Place:

Contents:

- p. 1 Compound Addition
- p. 5 A Specimen of Bills in common use
- p. 9 Form of a Parish Rate
- p. 10 The Application (of compound addition)
- p. 13 Compound Subtraction
- p. 17 The Application
- p. 19 Compound Multiplication
- p. 30 Compound Division
- p. 31 Reduction
- p. 46 Apothecaries Weight
- p. 48 Cloth measure
- p. 55 Long Measure
- p. 63 Land Measure
- p. 67 Wine Measure
- p. 71 Ale and Beer Measure
- p. 74 Dry Measure
- p. 76 Time

Notes:

p. 17 1806 'present day' but 1822 watermark
 Bought with **G5, H12, H13**

Item W12a

Date: 1853

Author: Samuel Williams

Place:

Contents:

- p. 5 Promiscuous Questions
- p. 12 Decimal Fractions

- p. 14 Addition of Decimals
- p. 17 Subtraction of Decimals
- p. 19 Multiplication (page missing between 20 & 21)
- p. 26 Reduction Decimals (sic)
- p. 35 Rule of Three Decimals
- p. 28 Inverse Proportion (?p. 38)
- p. 40 Involution
- p. 67 "To find the Area of Parallelogram; whether it be a square, a ... Rhomboid." -> 73

Reading from back of book:

Algebra

pp. 2–11 Exercises on Definitions

Item W12b

Date: 1853

Author: Samuel Williams

Place:

Contents:

- p. 5 Promiscuous Exercises
- p. 41 Vulgar Fractions
- p. 45 Reduction of Fractions
- p. 75 Reduction of Quantities

Item Sa1

Date: 1826 (p. 91)

Authors: Jenkins Jones his copy Glycastle

Anne Jones (p. 118)

Richard Edwards begin to keep School 15.12.28 (teacher?)

Contents:

- p. 3 Numeration
- p. 7 Addition of Integers
- p. 10 Subtraction
- p. 12 Multiplication
- p. 27 Division
- p. 42 Addition of Mony (sic), Weights, and Measures
- p. 45 Numeration Table
- p. 46 Addition
- p. 51 Subtraction
- p. 53 Multiplication (sic)
- p. 60 Diarsion (sic) of integers
- p. 67 Compound Addition
- p. 76 The application
- p. 82 Compound Subtraction
- p. 93 Compound Multiplication
- p. 99 Compound Division
- p. 101 The Application
- p. 103 Bills of Parcels
- p. 106 Reduction

Notes:

p. 36 Jenkin Jones ?Tinhina? This is perhaps Tynyrheol (see **Sa3, Sa21, zJA1, zJA8, zJJ31**)

p. 44, 118, 120 Handwriting practice

Many spelling errors uncorrected – dictated?,

Eg 13 figer, presceed, 44 Delight, Deleight, Delite, 61 gotion, 51 ...

For Glyn Castle see **Sa3, Sa16, zJJ11**.

Item Sa2

Date: 1854 (pp. 15, 91)

Author: Gwenllian ? (p. 110)

Place:

Contents:

- p. 5 Numeration
- p. 9 Addition
- p. 13 Subtraction
- p. 17 Multiplication
- p. 27 Division
- p. 43 Compound Addition
- p. 51 Window tax
- p. 53 Compound Subtraction
- p. 59 Apprenticeship – 7 years
- p. 60 Compound Multiplication
- p. 75 Compound Division
- p. 91 Bills of Parcels
- p. 94 Reduction Descending
- p. 102 Reduction Ascending
- p. 105 Ascending and Descending

Item Sa3

Date: 1870?

Author: Master William Jones (William Jones Junior, p. 83)

Place: Glyn Castell Glamorgan

Contents:

- p. 3a Tables ‘Copied ... 10.11.74 Tynyrheol
- p. 3 Timber Measure
 - Problem 1
- p. 10 To Find the Weight of Cattle
 - (Rule of thumb using measurements of animal)
- p. 14 to find the Weight of a Stack of Hay
- p. 16 Practical Geometry Problem 1
 - (Geometrical constructions)
- p. 32 Land Surveying
- p. 45 Trigonometry
- p. 53 The Application of Trigonometry to Distances &c

From the back of the book

- p. 1* Section of Minerals in the parish of Languick

- p. 85 'Copied from Mr Read's Book Tynyrheol, 26874 W J'
p. 87 'Copied from Mr Read R>E>'s Book. Tynyrheol 26874 W.J'

Notes:

Currently Ty'n yr heol is a listed derelict house at Tonna, Neath, West Glamorgan. It was built in the C18th as a private house and later became a ladies seminary. Derilict due to fire in the C20th.

See **Sa1, Sa21, zJA1, zJA8, zJJ31**

For Glyn Castle see **Sa1, Sa16, zJJ11**

Also see **Sa51, zJW1 to zJW10**

Item Sa14

Date: 26.7.1865

Author: Miss Anne Jones

Place:

Contents:

Invoices

p. 11 'Very carelessly entered'

p. 19 'Careless'

Notes:

Awkward, unrealistic quantities

See **zJA2 to zJA4, zJA7, zJJ21**

Item Sa15

Date: August 1867

Author: Miss G Jones

Place: Ribston Hall (see **zJA5**)

Contents:

Invoices

Some teacher's comments

Note:

Ribston Hall was a Ladies College during part of C19th and it has evolved into a present day Gloucester City school.

Item Sa16

Date: 1828 watermark (p. 63)

Author: Jenkin Jones

Place: Glyn Castle (see **Sa1, Sa3, zJJ11**)

Contents:

p. 1 Subtraction of Money

p. 9 Compound Multiplication

p. 29 Compound Division

p. 42 Bills of Parcels

p. 48 Reduction

Notes:

Throughout there are spelling and other errors uncorrected, eg p. 7 lines 1-3, p. 12, p. 35 p. 29 The different handwriting suggests this may be an example of Walkingame's Preface comment – the teacher writing example in pupil's book.

See **Sa1**

Source:

Cf Walkingame pp. 26-7; p. 42

Item Sa21

Date: 21.10.1829

Author: William Jones

Place:

Contents:

- p. 3 Vulgar Fractions: Reduction
- p. 16 Addition of V F
- p. 19 [Subtraction of VF] heading missing
- p. 22 Subtraction of V F (sic): should be Multiplication
- p. 24 Division of V F (invert)
- p. 26 The Rule of Three Direct of in V F (sic)
- p. 30 Addition of Decimals
- p. 32 Subtraction of Decimals
- p. 33 Multiplication of Decimals
- p. 34 Division of Decimals
- p. 37 Reduction of Decimals
- p. 42 The Rule of Three in Decimals
- p. 45 Square Root
- p. 51 Surds
- p. 54 [Examples on square root; Pythagoras, circles]
- p. 59 Cube Root
- p. 70 Duodecimals
- p. 72 Measuring by the Foot Square As Glazier and Masons Flat work
- p. 75 [Measuring by the Yard Square] as Paviers, Painters, Plasterers and Joiners
- p. 77 Measuring by the square of one hundred feet As Flooring, Partitioning, Roofing, tilling (sic)
- p. 78 Measuring by the rod
- p. 81 Practical Geometry Problem 1
(Geometrical constructions)
- p. 116 Mensuration of Superficies
- p. 168 Mensuration of Solids
- p. 188–9 Arithmetical problem worked in two ways 5.11.1881
- p. 190 further problems
- p. 196 Solution to problem by Joseph Williams
- p. 197 'Copied by me William Jones, Tynyrheol, 6.12.81'
- p. 205 Prospectus for Iron Mine to be let.
- p. 140, 141 No diagram NM not defined

Notes:

p. 29 William Jones his copy

p. 103 Heptagon construction ?
p. 138 'following table' but no table
p.197 See **Sa1** (p. 36), **Sa3**, **zJA8**, **zJJ31**, **zJA1**

Source:

Much from Walkingame

p. 69, 70 questions from Bonnycastle B12 Text also from Bonnycastle

Item Sa42

Date:

Author: Ned? Jones

Place

Contents:

Miscellaneous rough book

Mathematics:

Arithmetic p. 1

Algebra pp 3,7, 8, 12, 13, 16, 20, 21, 22, 27, 28, 33, 35, 36, 40

Geometry p. 10

Survey p. 29

Item Sa43

Date: 1865

Author: anon

Place:

Contents:

Rough book (compare with **Sa42**)

p. 1 Timetable

Geometry: pp 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 22, 25, 26, 27, 28, 31, 32, 35, 36, 37

Algebra: pp 15, 16, 22, 23, 24, 34, 39

Arithmetic: p 26

Notes:

Timetable includes Arithmetic, Algebra, Euclid, and Mathematics

Half-hour lessons.

Item Sa44

Date: 15.11.1865

Author: Jenkin Jenkins

Place: ? Yniscorn'g

Contents:

p. 3 Simple Addition

p. 13 Simple Subtraction

p. 27 Simple Multiplication

Notes:

Majority of questions set in context.

p. 5 Corrections to text of ques.

p. 29 Instead of X symbol used looks like +
p. 19 Information about schools?
For Yniscorwg see **zJeG1, zJeG2, zJeM1, zJeM2, zJeM3, zJeM4, zP1**
Also see **zJeJ1, zJeJ2**

Item Sa45

Date: 29.7.1864
Author: Miss Janette Jones
Place:

Contents:
Accounts
Bills of Parcels, but with some unrealistic numbers, presumably to provide practice in calculations,
See, eg p. 18

Notes:
Teacher's comments, eg p. 22
Teacher's comments p. 24, 'No error', p. 30 '1 error',
But, in fact, more than one error!
Compare with **Sa14, Sa15**.
Also see **zJA1, zJJ22 to zJJ28**.

Item Sa46

Date: 3.1.1831 (watermark 1827)
Author: Jennet Jenkins
Place:

Contents:
Cyphering-Copy
p. 3 Addition of Money
p. 8 Weights and Measures. Troy Weight, Avoirdupoise..., Cloth Measure, Long Measure, Land Measure, Wine Measure, Ale and Beer Measure, Dry Measure, Time.
p. 17 Subtraction – Weights and Measures..
p. 25 Compound Multiplication
p. 33 Compound Division
p. 38 Bills of Parcels
p. 43 Reduction
Table of such coins as are current in England
p. 64 Appendix to Reduction ... Rules .. for comparing Old Measures with new Imperial Standards.
p. 68 The Single Rule of Three

Note:
p. 34–35 Sum cancelled and reworked

Source:
p. 32 Walkingame

Item Sa51

Date: 22.1.1866

Author: William Jones (p. 41)

Place: Hereford? (etching of Castle Green, Hereford, on front cover)

Contents:

Miscellaneous rough book with some mathematical items:

- p. 2 algebraic problem
- p. 3 ditto
- p. 5 ditto
- p. 13 ditto
- p. 19 ditto
- p. 20 ditto
- p. 21 ditto
- p. 22 ditto
- p. 23 ditto
- p. 27 ditto
- p. 28 ditto
- p. 30 ditto
- p. 33 ditto
- p. 34 ditto
- p. 35 ditto
- p. 37 ditto

Notes:

Compare with **Sa42**, **Sa43**.

See **Sa3**, **zJW1** to **zJW10**

Item a2*

Date: c. 1820 (watermark is 1816)

Author:

Place: possibly Islington (see pp. 94-6 pencil additions, 1840s)

Contents:

- pp. 2-3 Tables of number, money, weights and measures
- p. 5 Decimal fractions (title page)
- pp. 7, 9 Definitions
- p. 8 Barn pencil sketch; and building sketches, pp. 10-20; [blank even pp. 22, 26-92]
- p. 11 Addition
- p. 17 Subtraction
- p. 23 Multiplication
- p. 24 Building water colour sketch
- p. 33 Contracted multiplication
- p. 41 Division
- p. 57 Contracted division
- p. 67 Reduction [vulgar to decimal fractions]
- pp. 77-95 [money, weights and measures to decimals]
- pp. 94-95 Property and income tax statement in pencil, dated 23 July 1845

p. 96 Jury service exemption statement, in pencil, for Mary Bradshaw (?), dated July 22 1840

Source:

Notes:

Watermark E. Smith, Printed tables, affixed pp 2-3, 1816, from:

Langley and Belch, 173 High Street, Borough, London [specialists in map printing]

Item a16*

Date: 1856 (pp.36, 58)

Author: T.L. (pp.50, 59)

Place: ?Cumbria (see notes)

Contents:

p. 1 Mensuration (title page); coloured and ink drawing of buildings.

p. 3 Circle diameter to circumference and reverse

p. 6 Circle arc length, using 3 rules

p. 13 Colourful bridge depicted

p. 20 Circle area, using 3 rules

p. 24 Verse problem: tethered ass

p. 25 Circle sector area, using 2 rules

p. 35 Circle segment area, using 3 rules and versed sine tables

p. 50 Circle zone area between parallel chords

p. 59 Circular ring area; problem on ink drawing of scroll, signed 'T.L.'

p. 62 Lune area

p. 63 Note relating lune and associated square area

p. 64 Note relating 2 lune areas and associated right-angled triangle

p. 64 Reference to Dr Hutton's *Recreations and Mathematical Dictionary* for lune properties

p. 67 Ellipse areas

p. 69 Elliptical segment area

p. 73 Area under curve using equidistant ordinates, using 2 rules

p. 76 Land Surveying and Miscellaneous Questions in Suprrfirial [sic superficial] Mensuration (title page)

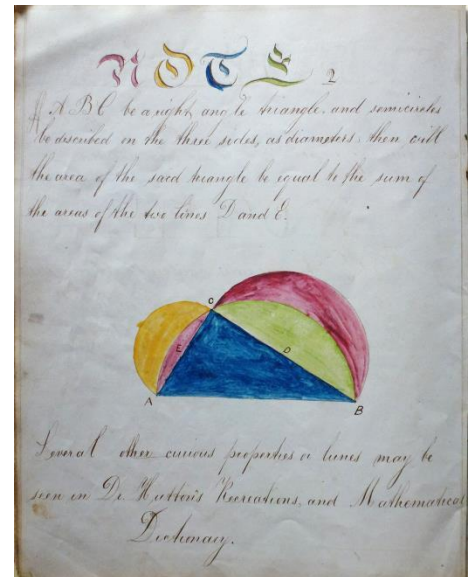
p. 78 The Field-book

p. 78 Field of 3 sides

p. 87 Field of 4 sides

p. 90 Method of casting

p. 94 Ink drawing of church



Item a16*, Page 64, Lune areas

Source:

Closely follows throughout Anthony Nesbit, *A Treatise on Practical Mensuration*, pp. 58-97 (9th edn, 1838)

Notes:

Varied colouring of diagrams and lettering throughout.
Exercise book from Hodgson, Brampton, Cumbria

Item a17*

Date: c.1830 (watermark is 1829)

Author:

Place: Landbeach Estate, Wilbraham Estate?

Contents:

- p. 3 [Quadratic equations by substitution]
- p. 10 The second method
- p. 10 Sum and product
- p. 10 Sum and sum of their squares
- p. 11 Product and sum of their squares
- p. 11 Sum and sum of their cubes
- p. 21 The third method
- p. 37 [Three linear simultaneous equations]
- p. 38 [Problem in verse]
- p. 40 [Problem in verse]
- p. 56 The method of resolving questions which contain four equations and four unknown quantities
- p. 57 The resolution of adfected equations by the universal method of converging series
- p. 64 The manner of solving questions when the unknown quantity has several powers in one equation and only the first power in another equation
- p. 70 The method of solving equations when the unknown quantity is to several powers in both equations
- p. 77 Ratio
- p. 79 On the comparison of ratios
- p. 79 On the composition of ratios
- p. 83 [Theorems]

Source:

Page 61, questions 10 and 12 in Peter Nicholson's *A Popular Course of Pure and Mixed Mathematics* published 1825 are the same problems as those solved on page 29.

Page 203, question XI in Daniel Fenning's *The Young Algebraist's Companion* published in various years is the same problem in verse as that on page 38.

Page 314, question 25 in Charles Vyse's *The tutor's guide: being a complete system of arithmetic* 10th edition published in 1799 is the same problem in verse as that on page 40

Notes:

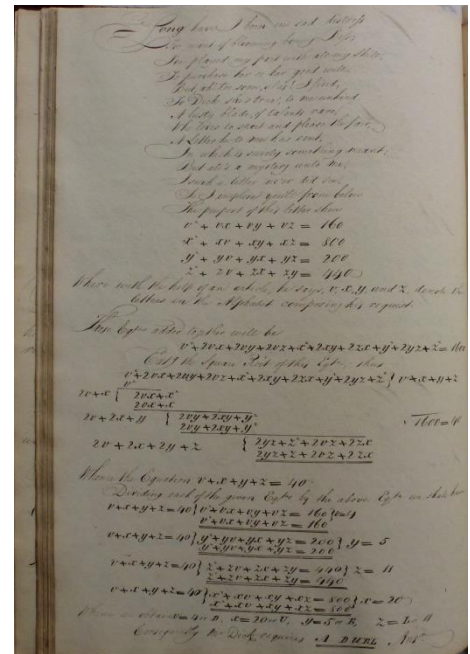
Watermark J WHATMAN TURKEY MILL 1829

For details of Whatman see [http://en.wikipedia.org/wiki/James_Whatman_\(papermaker\)](http://en.wikipedia.org/wiki/James_Whatman_(papermaker))

This volume has been rebound at some point in time and the end papers do not match the handwritten paper inside. Therefore it is debateable whether the 'Landbeach Estate, Wilbraham Estate' (which are about 2 miles north and two miles east of Cambridge respectively) is relevant to the contents.

Page 38 has an excellent problem in 44 lines of verse!

There are more verse problems on pages 38 and 40



Item a17*, Page 42, Problem in Verse.

Item A1*

Date: 1851 (April 24th, p. 4 to October 24th, p. 117)

Author: John Andrew

Place: Parkgate, Barnstaple area, N Devon (pp. 104, 116)

Contents:

- p. 5 Bricklayer's Work
- p. 16 Mason's Work
- p. 41 Carpenter's and Joiner's Work
- p. 75 Slater's and Tiler's Work
- p. 83 Plasterer's Work
- p. 93 Painter's Work
- p. 99 Glazier's Work
- p. 104 Glazier's Work title repeated, list of names and places, and two lines of musical notation
- p. 105 Paver's Work
- p. 109 Plumber's Work
- p. 116-7 Repeated lines: 'A moment of time is a moment of mercy'
- p. 116 Some drafting of a request, and some overwriting of names and places

Source: Closely follows Anthony Nesbit, *A Treatise on Practical Mensuration* to the end of Plasterer's work, pp. 211-231 (9th edn, 1838); thereafter, manuscript and text plus problems do not match with Nesbit.

Notes: Watermark on many pages depicts the Prince of Wales' feathers (undated)

Item A8*

Date: 23 February 1880 to 24 March 1880 (23 February 1880, p. 1; 24 March 1880, p. 38)

Author: George Allard (on front cover and p.21)

Place: Bloomfield Road Board School, London

Contents:

- p. 5 Arithmetic
- p. 12 Arithmetic
- p. 18 Arithmetic
- p. 24 Arithmetic
- p. 28 Algebra
- p. 40 Arithmetic

Source:

Notes:

This is a ruled exercise book containing homework so contains other material. Only the mathematical topics are referenced above. The other subjects include Recitation, Grammar, (Clause) analysis, Physiology, Daily text and Parsing

Item A13*

Date: 1779 (18 February 1779: p. 133)

Author:

Place:

Contents:

- p. 1 Logarithms
- p. 9 Addition of logarithms
- p. 10 Subtraction of logarithms
- p. 10 Multiplication of logarithms
- p. 14 Division by logarithms
- p. 17 Rule of three in logs
- p. 22 Extract square root by logarithms
- p. 25 Extraction of the cube root
- p. 35 Trigonometry
- p. 89 Practical questions in mensuration

Source:

Notes:

Watermark features Britannia seated and PROPATRIA

Fine illustrations on pages 61 onwards

Item A16*

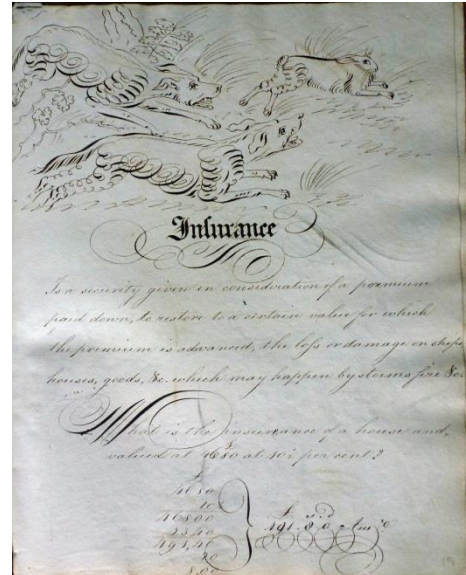
Date: after 1817: watermark 1817

Author:

Place:

Contents:

- p. 3 Simple interest
- p. 15 Commission
- p. 19 Insurance
- p. 23 Purchasing of stocks
- p. 27 Discount
- p. 35 Compound interest
- p. 41 Equation of payments
- p. 45 Barter
- p. 51 Loss and gain
- p. 57 Single fellowship
- p. 73 Double fellowship
- p. 81 Exchange



Item A16*, Page 19, Insurance

Source:

Notes:

Fine illustrations featuring hunting and farming scenes with the titles on the pages.

Watermark M & J Lay 1817.

Mary Lay had her works at the St Mary Cray paper Mill cf.

<http://www.rippington.me.uk/multimedia/St.%20Mary%20Cray%20Paper%20Mill,%20Keat.pdf>

William Blake and John Keats used paper by M & J Lay: cf.

<http://www.themorgan.org/collections/swf/exhibOnline.asp?id=401> for Blake and

<http://oasis.lib.harvard.edu/oasis/deliver/~hou00062> for Keats

Item B1*

Date: 1852 (July 22 1852 on front cover, 1852 on last page)

Author: W Barr

Place: Holderness Academy, Hornsea (p. 40)

Contents:

Bookkeeping Ledger

p. 2 The alphabet to the ledger

p. 6 [accounts start]

p. 38 [debit] Balance

p. 39 [credit] Balance

p. 40 [name, place, date]

Source:

Notes:

No watermark

Item B2*

Date: 1852 (July 22 1852 on front cover)

Author: W K Barr

Place: Hornsea (probably Holderness Academy, based on **B1*** and p. 21)

Contents:

Scripture Exercises and Letters

p. 1 Scripture exercises

p. 21 Letters

Source:

Notes:

Most of the letters contain historical facts about English monarchs

No watermark

Item B3*

Date: 1853 (January 24 1853 on front cover)

Author: W K Barr and James Barr

Place: Hornsea (probably Holderness Academy, based on **B1*** and p. 21)

Contents:

Scripture Exercises and Letters

p. 1 Scripture exercises

p. 21 Letters [about the weather]

p. 30 [first letter by James Barr about how his brother William has gone to work]

Source:

Notes:

Most of the letters contain historical facts about English monarchs, some about the weather

Other childish scribbles on various pages

No watermark

Item B4*

Date: 1859 (April 1859 on front cover)

Author: R Barr

Place: Hornsea (probably Holderness Academy, based on **B1***)

Contents:

p. 1 Landsurveying

p. 2 Field in the occupation of Mr Harper of Hornsea

p. 3 Field in the occupation of Dr Denton of Hornsea

p. 4 Field in the occupation of Dr Denton of Hornsea

p. 5 Field in the occupation of Mr Hood of Hornsea, surveyed May 9th 1859

p. 9 Field in the occupation of Mr Burn of Hornsea

p. 11 Field in the occupation of Mr Burn of Hornsea, surveyed May 7th 1859

Source:

Notes:

Watermark A PIRIE & SONS 1857

See http://www.thepapeterie.com/Pages/stoneywood_mill_19_century.aspx for details about the Piries and the Stoneywood Mill

Item B5*

Date: 1853 (January 24 1853 on front cover)

Author: W Barr

Place: Hornsea (probably Holderness Academy, based on **B1***)

Contents:

Geography and Grammar Exercises

p. 1 Geography exercises

p. 21 Grammar exercises

Source:

Notes:

No watermark

Item B6*

Date: 1852 (January 20 1852 on front cover)

Author: William Kemplay Barr

Place: Hornsea (probably Holderness Academy, based on **B1*** and p. 31)

Contents:

Exercises

p. 1 Geography exercises

p. 11 Grammar exercises

p. 21 Scriptural exercises

p. 31 Letters

Source:

Notes:

Most of the letters contain historical facts about English monarchs

Other childish scribbles on various pages

No watermark

Item B7*

Date: 1850 (16 January 1885, p. 1; 3 January 1850, p. 6)

Author: W Barr (p. 6 and ff.), Emma Barr (p. 1)

Place: Hornsea

Contents:

p. 5 Invoice book

p. 12 Sales book

p. 25 Stock book

Source:

Notes:

This is an invoice book that has been reused by a child (Emma Barr) at a later date.

Pages 1 to 5 and 32 are in a childish hand and contain some arithmetic, writing and drawings. Invoices based on Liverpool

No watermark

Item B8*

Date: April 1852

Author: Master Barr

Place: Hornsea (? – based on item **B1***)

Contents:

p. 1 Land surveying

p. 8 Field in the occupation of Mrs Smith, Hornsea

p. 10 Field in the occupation of Mrs Smith, Hornsea

p. 13 Field in the occupation of Mr Leak, Hornsea

p. 15 Field in the occupation of Mr Hodgson

p. 18 Field in the occupation of Mr Heslop, Hornsea
Source:

Notes: No watermark

Item B9*

Date: 1852 (label on the front has the date July 22 1852, contents inside dated from Jan 1 1852 (p. 1) to Dec 28 1852 (p. 39)

Author: Master Barr

Place: Hornsea (? – based on item **B1***)

Contents:

p. 0 Day Book (bookkeeping)

Source:

Notes:

Pages numbered on top right.

Various pages show a rubbing of a French 10 centime piece of 1872 and some feint childish scribbling.

No watermark

Item B17*

Date: 4 October 1848

Author: Emily Mander

Place: Bablake (presumably Bablake School, Coventry)

Contents:

p. 5 Addition

p. 15 Subtraction

p. 23 Multiplication

p. 35 Division

p. 39 Compound addition

p. 47 Compound subtraction

p. 55 Compound multiplication

p. 75 Compound division

p. 97 Reduction

Source:

Notes:

Bablake School is a co-educational Independent school located in Coventry, England and founded in 1344 by Queen Isabella, making it one of the oldest schools in the United Kingdom. Dr. Henry Mander was the Headteacher at Bablake from 1824 to 1870, so perhaps Emily was his daughter.

Watermark JOYNSON 1847 Joynson's paper mill operated at St Mary Cray, Kent on the River Cray. For more information about the mill, see

http://en.wikipedia.org/wiki/River_Cray

Item B18a*

Date: 1926 (Front cover has July 1926 p. 1 has 31.3.26)

Author: Vera Brown

Place: Leicester

Contents:

Various arithmetic problems: no titles

Source:

Notes:

Exercise book from City of Leicester Education Committee

Vera has written her class as Senior IIG

Work has been marked in blue pencil – rather a lot of errors

Item B18b*

Date: 23 August 1926

Author: Vera Brown

Place: Leicester

Contents:

Various arithmetic problems: no titles

Source:

Notes:

Exercise book from City of Leicester Education Committee

Vera has written her class as Senior IIIG

Work has been marked in pencil – mostly correct

Item B18c*

Date: 1925 (Front cover has 6.7.25 p. 1 has 24.3.26)

Author: Vera Brown

Place: Leicester

Contents:

Various arithmetic problems: no titles

Source:

Notes:

Exercise book from City of Leicester Education Committee

Vera has written her class as Senior IIG

Work has been marked in pencil – mostly correct

Item B18d*

Date: 1924 (p. 1 has 29.4.24)

Author: Vera Brown

Place: Leicester

Contents:

Various arithmetic problems: no titles

Source:

Notes:

Exercise book from City of Leicester Education Committee

Work has been marked in blue pencil – mostly correct

Only 8 pages remain in this book

Item B53*

Date: 1799

Author: Walter Burley

Place:

Contents:

p. 2 Addition and Compound addition (in a different hand)

p. 3 Decimals

p. 7 Addition of decimals

p. 11 Subtraction of decimals

p. 13 Multiplication of decimals

Missing pages: p. 15 starts mid-sentence

p. 15 Division of decimals

Missing pages: p. 21 starts after evidence of removed page(s)

p. 21 Reduction

p. 25 Single rule of three in decimals

p. 37 Extraction of the square root

Missing pages? p. 47 starts a new topic

p. 47 Circle work

p. 51 *Pythagoras*

p. 61 *Cube roots*

p. 71 *Mean proportional*

Source:

Notes:

Various scribbles in a different hand on some pages

On inside back cover the name Wm Burley is written

Watermarks J NIND 1795 and PROPATRIA 1795 with a knight holding a standard and a lion (?) in a fenced area.

Item C1*

Date:

Author: Cole

Place: Lapford

Contents:

p. 5 Practice

p. 47 Simple interest
p. 61 Brokage
p. 87 Compound interest
p. 95 Rebate

Source:
Walkingame

Notes:
No watermark
p. 3 frontispiece mentions Middle Class School, Lapford. Principal J. Clarke

Item D2q*

Date: c.1867
Author: John James Done
Place: 112 Gross Lane, Salford

Contents:
12 Water-washed sketches

Source:

Notes:
This is an additional volume to **D2a-D2p**

Item D2r*

Date: 4 February 1869
Author: John James Done
Place: 112 Gross Lane, Salford

Contents:
Examples of penmanship

Source:

Notes:
Watermark J WHATMAN 1868
Details of the Whatman family and the paperworks at Turkey Mill can be found at
<http://nga.gov.au/whistler/details/whatman.cfm>
<http://www.turkeymill.com/about-us/view/139/history>
This is an additional volume to **D2a-D2p**

Item D2s*

Date: 4 February 1867
Author: John James Done
Place: 112 Gross Lane, Salford

Contents:
Examples of penmanship

Source:

Notes:

Watermark J WHATMAN 1866

Details of the Whatman family and the paperworks at Turkey Mill can be found at

<http://nga.gov.au/whistler/details/whatman.cfm>

<http://www.turkeymill.com/about-us/view/139/history>

This is an additional volume to **D2a-D2p**

Item D2t*

Date: 19 November 1868

Author: John James Done

Place: 112 Gross Lane, Salford

Contents:

Examples of penmanship

Source:

Notes:

Most pages missing

Watermark J WHATMAN 1866

Details of the Whatman family and the paperworks at Turkey Mill can be found at

<http://nga.gov.au/whistler/details/whatman.cfm>

<http://www.turkeymill.com/about-us/view/139/history>

This is an additional volume to **D2a-D2p**

Item E1*

Date: January 1 1780 to 1785 (see details of bequest on first page)

Author: William Eglinton

Place: London?

Contents:

p. 1 Arithmetic

p. 3 Notation

p. 4 Numeration

p. 9 Addition

p. 18 Compound - Addition

p. 22 Troy - Weight

p. 24 Avoirdupoise - Weight

p. 26 Apothecaries - Weight

p. 28 Dry Measure

p. 30 Liquid Measure

p. 30 Wine Measure

p. 32 Winchester Measure

p. 34 Cloth Measure

p. 36 Long Measure

p. 38 Land Measure

p. 40 Square Measure

p. 40	Solid Measure
p. 42	Time
p. 44	Motion
p. 46	Of Weights and Measures &c.
p. 47	Tables of Scripture
p. 55	Subtraction
p. 60	Compound subtraction
p. 69	Multiplication
p. 79	Compound Multiplication
p. 87	Division
p. 98	Compound Division
p. 104	Reduction
p. 107	Reduction Ascending
p. 109	Reduction Ascending & Descending
p. 124	Rule of Three Direct
p. 148	Rule of Three Inverse
p. 154	Plural Proportion or the Double Rule of Three
p. 167	Practice
p. 180	Tare & Trett
p. 184	Simple Interest
p. 186	Commission
p. 188	Brokage
p. 195	Compound Interest
p. 197	Rebate or Discount
p. 199	Equation of Payments
p. 201	Barter
p. 203	Loss & Gain
p. 205	Single Fellowship
p. 210	Compound Fellowship
p. 216	Exchange
p. 250	Compound Proportion
p. 254	Alligation etc
p. 262	Single Position
p. 266	Double Position
p. 270	Comparative Arithmetic
p. 272	Arithmetical Progression
p. 280	Geometrical Progression
p. 290	Permutation
p. 294	Vulgar Fractions
p. 304	Addition of Fractions
p. 306	Subtraction of Fractions
p. 308	Multiplication of Fractions
p. 310	Division of Fractions
p. 312	Rule of three Direct in Vulgar Fractions
p. 314	Rule of three Inverse in Vulgar Fractions
p. 315	Double Rule of Three in Vulgar Fractions
p. 316	Abbreviations
p. 322	Decimal Fractions
p. 323	Notation
p. 324	Addition of Decimals

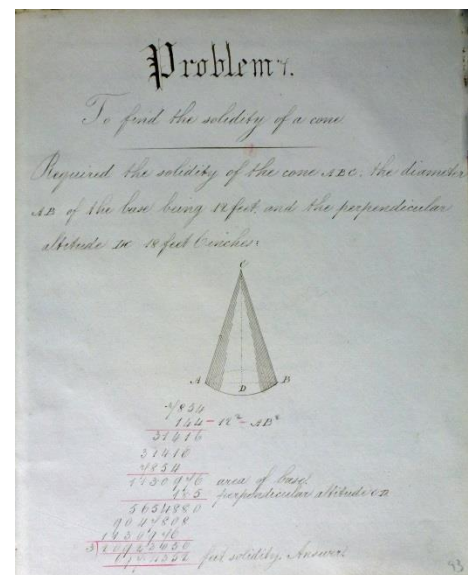
p. 325 Subtraction of Decimals
 p. 326 Multiplication of Decimals
 p. 327 Division of Decimals
 p. 328 Reduction of Decimals
 p. 331 The Rule of Three in Decimal Fractions
 p. 333 Decimal tables
 p. 337 Converging Series & A Table of Powers
 p. 338 Square-Root
 p. 343 Cube Root
 p. 349 The Use of the Square and Cube Roots
 p. 361 A General Rule for Extracting the Roots of all Powers
 p. 366 Algebra
 p. 370 Compound Signs & Charac^s
 p. 372 Addition of Algebra
 p. 378 Subtraction of Algebra
 p. 382 Multiplication of Algebra
 p. 388 Division of Algebra
 p. 395 Algebraic Fractions
 p. 400 Addition of Algebraic Fractions
 p. 402 Subtraction of Algebraic Fractions
 p. 403 Multiplication of Algebraic Fractions
 p. 405 Division of Alg.^c Fractions
 p. 406 Proportion in General
 p. 410 Arithmetical Proportion
 p. 417 Geometrical Proportion
 p. 418→blank

Source:

Daniel Fenning's *The British youth's instructor*: seems to be the source.

p. 132 about a corn factor appears in Fenning on page 161 and other questions follow.

This was the 5th edition of 1765



Item G6*, W. Gamble, Page 93,
Solidity of a Cone

Notes:

Watermark A H or Britannia in a crowned oval.

This is the watermark of Abraham Harding of Barford Mill, Hampshire.

See article at <http://www.johnowensmith.co.uk/headley/crocker.htm> and the illustration at <http://www.johnowensmith.co.uk/headley/crockerfigs.htm#fig1>

Pages 352 – 355 contain pencil drawings of castles and a ladder.

Bound in vellum.

Item G6*

Date:

Author: W Gamble

Place: Thompson's Schools, Mansfield

Contents:

p. 3 Mensuration of superficies contd

p. 13 Land surveying

- p. 37 Estate situate in the Township of Farnley in the parish of Leeds
- p. 49 Mensuration of solids
- p. 51 Definitions
- p. 58 [diagrams of the Platonic solids and their nets]
- p. 59 Problem 1 to find the solidity of a cube
- p. 63 Problem 2 to find the solidity of a parallelopipedon
- p. 67 Problem 3 to find the solidity of a prism
- p. 73 Problem 4 to find the solidity of a cylinder
- p. 80 Problem 5 to find the solidity of a pyramid
- p. 87 Problem 6 to find the solidity of a frustum of a pyramid
- p. 93 Problem 1 to find the solidity of a cone

Source:

Notes:

p. 40-41 has a spread of the Farnley estate

There is a loose picture of John Harrop White inside. Interesting details about him can be found at http://www.unitarian.org.uk/docs/publications/1959_Mansfield.pdf

1787 - 1891 Thompson's School in existence on Toothill Lane

Watermark I&J H KENT

Item G7*

Date: 23 November 1850

Author: Emma Geach

Place: Bofarnel, Bodmin

Contents:

- p. 3 Numeration
- p. 11 Addition
- p. 19 Subtraction
- p. 25 Multiplication
- p. 37 Division
- p. 49 Compound addition
- p. 63 [Compound subtraction]
- p. 68 Compound multiplication

Source:

Notes:

No watermark

Book provided by Drew, Bookseller and Stationer, Bodmin

Name and pencilled address on p. 79

Inside back cover has 'New arithmetical tables for the use of schools'

'Printed by J. H. Drew, St Austell. Price one penny'

Item J1*

Date: 1844

Author: James Elliot

Place: Greenrow

Contents:

Answers to Saul's *Arithmetic* in very small manuscript

Source:

Joseph Saul's *The tutor's and Scholar's assistant: being a complete treatise of vulgar and decimal arithmetic*

1st ed. 1794; 2nd ed. 1797; 7th ed. 1820; 15th ed. 1850; 12th ed. 1839;

Notes:

See Hersee collection 8th ed. 1824

Stuck on the inside cover is a letter from David Saul to Mr Jackson of Keswick. It explains that he is sending Mr Jackson '... the manuscript Key to Saul's Arithmetic wrought out by Mr James Elliot in the year 1824.'

The last entry states 'Copied from Mr D. Saul's Manuscript Key January 17th to May 5th 1844'

Item J3*

Date: March 1868

Author: Robert Dennett Jones

Place: Conway Boys' School

Contents:

- p. 1 [addition of weight]
- p. 5 [addition of time and measures]
- p. 9 [multiplication]
- p. 20 [multiplication and reduction]
- p. 22 [areas and Ale & Beer measure]
- p. 25 [reduction]
- p. 34 [reduction]

Source:

Notes:

He was 11 years old.

Various other subjects in this exercise book including much dictation

No watermark

Item J4* (or Fx* ?)

Date:

Author: John Jackson or Abraham Fletcher: both names appear on the cover

Place: Broughstone, near Cockermouth

Contents:

- p. 1 The Rule of Five
- p. 3 Reduction of Decimals
- p. 9 Addition and Subtraction of Decimal Fractions
- p. 10 Multiplication of Decimals
- p. 15 Division of Decimals
- p. 23 Interest by Decimals

- p. 24 Simple Interest
- p. 27 Discount
- p. 29 Geometrical Problems
- p. 49 The Rule of Proportion Geometrically or by Lines
- p. 57 Right Angled Plain Trigonometry Geometrically
- p. 69 The Application of Trigonometry to the Measuring of Heights and Distances
- p. 82 Distances
- p. 89 Distances And Levelling
- p. 92 Surveying of Mines
- p. 95 Distances
- p. 104 Surveying
- p. 107 Surveying of Land
- p. 108 Surveying and Plotting
- p. 127 Surveying Plotting and Dividing
- p. 128 Fortification
- p. 130 Architecture

Source:

Probably from *The universal measurer and mechanic: In three parts* by Abraham Fletcher. (Second edition, 1766, downloadable from

http://books.google.co.uk/books?id=8A9gwUKCGGEC&pg=RA1-PA4&dq=Fletcher+Universal+Measurer+reduction+of+decimals&hl=en&sa=X&ei=s1J6UpiZIoKphAfk_YHQBQ&ved=0CEgQ6AEwAA#v=onepage&q=Fletcher%20Universal%20Measurer%20reduction%20of%20decimals&f=false)

On page 4 the rule and examples are the same as on page 3 examples 4, 5 and of Fletcher's book.

Notes:

Watermark of the Lion of the seven Provinces in a crowned oval, sometimes with the motto Libertate, Propatria, Eiusque and some pages have a LVG watermark. This is interesting as the following comes from a website <http://www.pentrace.net/article111300021.html> *The paper used by Thomas Jefferson in writing the "First Ideas" of the Virginia Constitution in 1776 measures 7 3/4" x 12 3/4" and is watermarked "L G V" This paper is of Dutch origin and was made by one of three prominent papermakers of the period: Lubertus van Gerrevink of Egmond a/d Hoef, North Holland Lucas van Gerrevink of Alkmaar, or L. van Groot (or Grooten).*

Thomas Jefferson's "Rough Draft" of the Declaration of Independence is written on four pages of Dutch paper, each measuring 7 7/8" x 12 3/8". This document was written on "WRYHEYT " paper which bears the watermark lettering 'PRO PATRIA EIUSQUE LIBERTATE' in an oval border surrounding a lion, capped by a crown. This watermark was commonly used by Dutch papermakers and may have been from one of a dozen different paper mills.

Book has been crudely rebound with card covers at some point. The cover may be the original, yet has been put on back to front (and hence upside down).

Some crude drawings of towers etc. on pages 69-81

Interesting to note that at <http://www.genuki.org.uk/big/eng/CUL/Bridekirk/Gaz1868.html> it mentions the following. "LITTLE BROUGHTON, a township and district parish in the parish of Bridekirk, ward of Allerdale-below-Derwent, in the county of Cumberland, close

to Great Broughton. The manufacture of tobacco-pipes and of coarse pottery is carried on in the village. Here has recently been erected, a district church, called Christ Church. The living is a perpetual curacy,* value £150, in the dioc, of Carlisle. There are chapels belonging to the Wesleyans, Quakers, and Baptists. Little Broughton was the birthplace (1714) of **Abraham Fletcher**, who distinguished himself as a mathematician and botanist.”

Also we have at <http://www.british-history.ac.uk/report.aspx?compid=50680> “At Little-Broughton was born in 1714, **Abraham Fletcher**, the son of a tobacco-pipe maker, and brought up to his father's occupation, who by dint of his own self-taught application, became a mathematician of no small eminence, and at the age of thirty set up as a school master; having studied also the medical properties of herbs, he united to his new profession that of a doctor, and practised both with such reputation and profit, that when he died, in the year 1793, he had bred up a large family and was possessed of 4000*l*. He was author of a work called the Universal Measurer.”

Abraham Fletcher (1714 – 1 January 1793) was an English mathematician. There is a Wikipedia page at http://en.wikipedia.org/wiki/Abraham_Fletcher and he is in the DNB at [http://en.wikisource.org/wiki/Fletcher, Abraham \(DNB00\)](http://en.wikisource.org/wiki/Fletcher,_Abraham_(DNB00))

Item K3*

Date: 1762? (see page 5)

Author: John Keale

Place: Withern, Lincolnshire

Contents:

- p. 1 The Numeration
- p. 2 Addition of Money
- p. 3 Avoirdupois weight
- p. 4 Troy weight
- p. 5 Log Measure
- p. 6 Subtraction of money
- p. 7 Reduction of Money
- p. 8 Reduction of Troy Weight
- p. 9 Reduction of Long [measure]
- p. 10 Reduction of Time
- p. 11 The Single Rule of three [direct]
- p. 25 The Single Rule of Three Inverse
- p. 27 The Double Rule of Three / Fellowship withought [sic] time
- p. 32 The Double Rule of Fellowship
- p. 35 Practice
- p. 43 Of Decimal Fractions / Reduction of Decimals
- p. 44 Valuation of Decimal Fractions
- p. 45 Addition of Decimal Fractions
- p. 46 Subtraction of Decimal Fractions / Multiplication of Decimal Fractions
- p. 47 Division of Decimal Fractions
- p. 49 The Extraction of the Square Root
- p. 52 The Extraction of the Cube Root
- p. 55 The Description of the Carpenter's exact Rule / Multiplication by the Lines
- p. 56 Division by the Lines

- p. 57 The Rule of Three Direct by ye lines
- p. 58 Betwixt two Numbers
- p. 59 The Extraction of the Square Root by the lines / Mensuration of Superfices
- p. 61 Mensuration of Square Timber
- p. 62 Of Proportion in a circle
- p. 70 Questions is wrought by the foregoing proportions
- p. 73 Mensuration of Solids
- p. 76 Practice
- p. 77 Mensuration of Superfices
- p. 79 Geometry and Mensuration
- p. 80 Probolum first
- p. 81 Probobolum
- p. 84 Mensuration Superfices
- p. 85 Proportion of a Circle
- p. 87 Mensuration of Superfices
- p. 91 Mensuration of Solids
- p. 94 Mensuration of Superfices
- p. 97→recipes and accounts

Source:

Notes:

Watermark of the Lion of the seven Provinces in a crowned oval, sometimes with the motto Libertate, Propatria, Eiusque and some pages have a LVG watermark. See **J4*** for details of this papermaker.

The spelling in this description matches the spelling used in the book.

Page 52 describes the extraction of the cube root in verse.

There are more verses used on pages 51, 82, 83 and 92.

The verse on page 92 is the Tinker verse that also appears in **S9*** (in the *Ladies Diary*, Question IV for 1719)

Book bound in vellum with owner's verse on the front.

A lot of pages seem to have been burnt or scorched at the top: perhaps the rather heavy ink has caused the paper to deteriorate in some way.

Some pages have been cut out.

Item K4*

Date: 13 October 1869

Author: Fanny Kent

Place: Inhedge, Dudley

Contents:

- p. 1 Simple Addition
- p. 7 Subtraction
- p. 9 Multiplication
- p. 13 Division

p. 14 Long Division
p. 18 Compound Addition
p. 20 Compound Subtraction
p. 22 Compound Multiplication
p. 24 Compound Division
p. 27 Troy Weight
p. 29 Avoirdupois
p. 31 Apothecary
p. 33 Cloth Measure
p. 35 Time
p. 36 Subtraction Troy
p. 38 Avoirdupois
p. 40 Cloth Measure
p. 41 Avoirdupois
p. 42 Wine
p. 43 Dry Measure
p. 44 Time
p. 45 Multiplication of Troy
p. 46 → blank
Pages 3 to 13 in the back of the book are on scripture

Source:

Notes:

No watermark

Item L8*

Date: Midsummer 1845

Author: G M Leaker

Place: Thornbury Academy

Contents:

p. 3 Cube Root (extraction of)
p. 19 Application
p. 29 Biquadrate-root
p. 37 Arithmetical Progression
p. 49 Geometrical Progresion
p. 53 → blank

Source:

Walkingame

Notes:

Each section begins with a 'rule' or explanation, followed by worked examples
No watermark

Item L28*

Date: 1853? (based on **L27**)

Author: Thomas Little

Place: Hudsriding near Catton(gate) by Haydon Bridge, Northumberland

Contents:

- p. 1 Practice
- p. 19 Reduction
- p. 24 Simple Interest
- p. 31 Brokage
- p. 43 Compound Interest
- p. 48 Rebate or discount
- p. 58 Equation of payments
- p. 61 Barter
- p. 66 Profit And Loss
- p. 68 Fellowship
- p. 69 Fellowship Without Time
- p. 84 Allegation

Source:

Walkingame

Note:

No watermark

Current postcode for Hudsriding is NE47 9LL

Item S9*

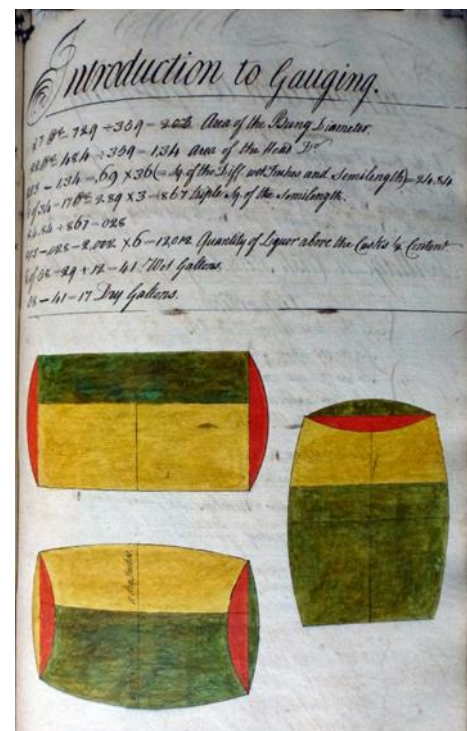
Date: May 23 1753 (on p. 93)

Author: J Stubb

Place:

Contents:

- p. 1 Geometrical Problems
- p. 6 Geometrical Definitions
- p. 9 Mensuration superficial
- p. 25 Mensuration of solid Bodies
- p. 35 Mensuration of Globes
- p. 38 Mensuration of Spheroids
- p. 39 Introduction to Gauging
- p. 66 How to Gauge Warm Worts from Leadbetter's Royal Gauger
- p. 67 To Gauge without Inches a new Method invented by Mr. Fletcher
- p. 68 A Table of the Areas of segments
- p. 70 How to measure the work of the several Artificers
- p. 71 Brick-work
- p. 72 Walling
- p. 73 Walling, Slating, Tiling
- p. 74 To Measure Board or Plank
- p. 76 Timber Measure
- p. 81 To measure a growing Tree
- p. 85 Buttermere Chapel measured
- p. 87 Surveying, or Measuring of Land
- p. 88 Surveying



Item S9*, J Stubb, Page 61,
Introduction to Gauging

- p. 99 Bowtherbeck belonging to John Senhouse Gent.
- p. 102 Surveying
- p. 103 Laying out of Land
- p. 104 Dividing of land
- p. 115 Logarithms
- p. 118 Plain Trigonometry
- p. 132 Trigonometry oblique
- p. 138 Heights and distances
- p. 146 Heights and distances Geometrically
- p. 154 To survey Mines and set out new Pits
- p. 155 How to make the Tabular Number for regular Polygons
- p. 157 A Survey by the Circumferentor
- p. 158 Practical Questions
- p. 170 A survey of part of Williamson's Brewing Vessel
- p. 171 The Mariner's Compass
- p. 172 Plain Sailing
- p. 187 Plain Sailing of the plain Chart
- p. 191 Mercator's Sailing
- p. 200 Parallel sailing by Mercator's Chart
- p. 203 Middle Latitude Sailing
- p. 209 Current Sailing
- p. 213 How to find the Latitude by an Observation
- p. 215 To find the Variation of the Compass
- p. 220 Navigation by Inspection
- p. 223 How to keep a Journal
- p. 225 The form of a Journal
- p. 227 Rules adapted to the Gregorian Account
- p. 231→blank

Source:

The verse on page 160 appears in the *Ladies Diary*, Question XVIII for 1711

The verse on page 165 appears in the *Ladies Diary*, Question IV for 1719

Notes:

Watermarks PRO PATRIA Britannia and lion with sword in a palisade. This is similar to the watermark of the Nun family who were papermakers at Millmount Mill, Rockbrook, Co. Dublin. Also a crowned GR in a circle

Questions in verse on pages 159, 160, 165

Bowtherbeck, page 99, still stands on the outskirts of Buttemere village – it is known as Bowderbeck and has the same field pattern surrounding the house.

This book has been rebound in recent years.

Item S16*

Date: 25 March 1847

Author: Master Sewell (p.21)

Place:

Contents:

- p. 3 Compound Addition
- p. 13 Subtraction
- p. 27 Multiplication
- p. 75 Division
- p. 99 Weights and measures: Addition
- p. 109 Subtraction
- p. 113 Multiplication
- p. 117 Division
- p. 127 Reduction

Source:

At least one of the questions comes from *The Tutor's Assistant: Being a Compendium of Arithmetic and a Complete question book* by Francis Walkingame. This is available as a free download at Google Books. The questions on page 23 and following are the same as those in Walkingame's book on page 27.

Notes:

No watermark

Item S17*

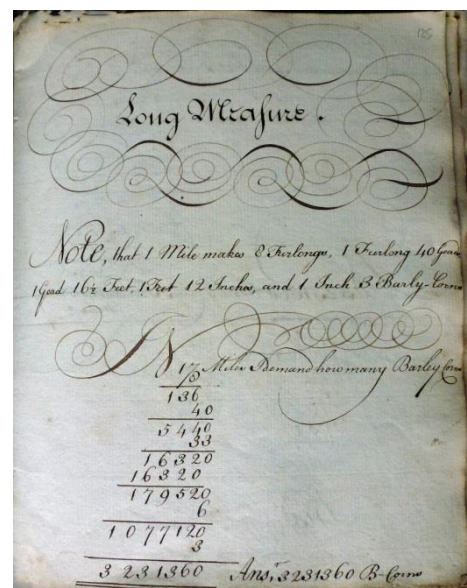
Date: April 23 1770 (on front cover) to October 4, 1771 (last page (168))

Author: John Secker

Place: Windsor? (Various pages (36, 38, 39, ...) have Windsor on them)

Contents:

- p. 1 Numeration
- p. 3 Addition
- p. 7 Pence Table
- p. 9 Numeration
- p. 11 Addition
- p. 17 Addition of Troy Weight
- p. 21 Avoirdupoiz Weight
- p. 25 Liquid Measure
- p. 29 Cloth Measure
- p. 41 Substraction
- p. 45 Substraction of Troy Weight
- p. 47 Avoirdupoiz Weight
- p. 49 Liquid Measure
- p. 61 Multiplication
- p. 67 Division
- p. 77 Reduction
- p. 95 Reduction of Troy Wt.
- p. 101 Avoirdupoiz Weight
- p. 107 Liquid Measure
- p. 113 Cloth Measure
- p. 119 Reduction of Time
- p. 125 Long Measure
- p. 129 The Golden Rule



Item S17*, John Secker, Page 125,
Long Measure

Source:

Cocker's Arithmetick seems to be the source.

p. 146 about an oilman appears in Cocker on page 119 as question 22

p. 150 about a factor appears in Cocker on page 119 as question 19

Notes:

There are various details about John Secker at <http://www.british-genealogy.com/forums/showthread.php/67938-John-Secker-Hampton-Court-Palace-1761-1785?s=f09dceb13ad4e78ac7ca15751aabb3c>

On the inside front cover is a label with details about John Secker who was secretary to King George III. Some of the details mentioned there do not fully agree with the website (died 1818 in the book, 1828 on the website).

The label is signed by E. A. Secker and contains a cutting from the Daily Telegraph (23/4/1965) about a stolen silver cup belonging to another Secker.

Watermark of the Lion of the seven Provinces in a crowned oval, sometimes with the motto Libertate, Propatria, Eiusque and some pages have a LVG watermark. This is interesting as the following comes from a website <http://www.pentrace.net/article111300021.html> *The paper used by Thomas Jefferson in writing the "First Ideas" of the Virginia Constitution in 1776 measures 7 3/4" x 12 3/4" and is watermarked "L G V" This paper is of Dutch origin and was made by one of three prominent papermakers of the period: Lubertus van Gerrevink of Egmond a/d Hoef, North Holland Lucas van Gerrevink of Alkmaar, or L. van Groot (or Grooten).*

Thomas Jefferson's "Rough Draft" of the Declaration of Independence is written on four pages of Dutch paper, each measuring 7 7/8" x 12 3/8". This document was written on "WRYHEYT" paper which bears the watermark lettering 'PRO PATRIA EIUSQUE LIBERTATE' in an oval border surrounding a lion, capped by a crown. This watermark was commonly used by Dutch papermakers and may have been from one of a dozen different paper mills.

Item S18a*

Date: 1843

Author: George Scales

Place: Fore Hill Academy, Ely

Contents:

p. 3 Division

p. 41 Compound Multiplication

p. 79 [compound divison]

Source:

Walkingame

Note:

No watermark

Item S18b*

Date: 1843

Author: George Scales

Place: Fore Hill Academy, Ely

Contents:

- p. 5 Inverse Proportion
- p. 17 Practice
- p. 53 Interest
- p. 61 Commission
- p. 66 Stocks
- p. 70 Insurance
- p. 74 Brokerage
- p. 85 Interest for Weeks
- p. 91 Interest for Days
- p. 107 Compound Interest

Source:

Note:

Watermark WOODFULL

Book sold by John Jackson, Agar Street, West Strand – advertised in Bent's Literacy Advertiser January 1836

10	BENT'S LITERARY ADVERTISER,	[January
Price Sixpence.	JACKSON'S ARITHMETICAL TABLES for the Use of	THE GENTLEMAN'S MAGAZINE for January 1836, price
Schools. These Tables are all worked to the Imperial Standard, and	have likewise the corresponding Tables of French Weights and Measures.	2s 6d, contains, among other Articles, the following:
London: JOHN JOHNSON, JAC AGES, Street West.		An early Review of Dr. Dibdin's Reminiscences; some unpublished Correspondence between Pope and Tasson, relative to Theobald's Shakespeare, the Man of Ross, &c.; on Scandinavian Literature and its connection with the British Isles; The Records of the Exchange, and their projected publication; Essay of a Lover of Literature; Richardson's New English Dictionary; Our Lord's Miracles on the
Published January 1st, price 3s.		

Item S18c*

Date: 1844?

Author: G Scales

Place: Fore Hill Academy, Ely (p. 3)

Contents:

- p. 5 Bills
- p. 17 Reduction
- p. 69 Rule of three

Source:

At least two of the questions come from *The Tutor's Assistant: Being a Compendium of Arithmetic and a Complete question book* by Francis Walkingame.

On pages 52 and 53 the questions and answers are the same as on page 33 questions 43 and 44 of Walkingame in the Reduction chapter.

Notes:

No watermark

There is a loose sheet of smaller size containing division questions.

Item S18d*

Date: c.1844 – similar to S18c*

Author: G Scales

Place: Fore Hill Academy, Ely (p. 3)

Contents:

- p. 7 Discount
- p. 25 Barter
- p. 37 Profit and Loss
- p. 51 Single Fellowship
- p. 74 Double Fellowship
- p. 91 Vulgar Fractions

Source:

Some of the questions come from *The Tutor's Assistant: Being a Compendium of Arithmetic and a Complete question book* by Francis Walkingame.

On page 49 the question and answer are the same as on page 77 question 10 of Walkingame in the Profit and Loss chapter.

Notes:

No watermark

Book made by Relfe & Fletcher, Cloak Lane

Item S19*

Date: After 1758: most questions in the book refer to this year

Author: Jonathan Serjeant is written on page 196

Place:

Contents:

- p. 3 Spherical Geometry
- p. 17 Spherical Trigonometry
- p. 32 Oblique Spherical Trigonometry
- p. 43 Astronomical Definitions
- p. 54 The Projection of the Sphere
- p. 59 Astronomical Problems
- p. 94 The Stereographic Projection
- p. 105 Astronomy
- p. 131 The Doctrine of the Sphere
- p. 152 Astronomical Precepts
- p. 170 Astronomical Problems
- p. 172 Astronomical Precepts
- p. 196

Source:

Some of the questions come from *A compleat system of astronomy ...* by Charles Leadbetter (Second edition, 1742, downloadable from

<http://books.google.co.uk/books?id=z3gRvA2J3DYC&pg=PA186&dq=Given+the+obliquity+of+the+ecliptic+23+29+and+right+ascension+of+the+mid+heaven&hl=en&sa=X&ei=2WB6Uo7AN4yxhAecmIGYCg&ved=0CDQQ6AEwAA#v=onepage&q=Given%20the%20obliquity%20of%20the%20ecliptic%2023%2029%20and%20right%20ascension%20of%20the%20mid%20heaven&f=false>)

On page 101 the problem 30 and example are the same as on page 186 of Leadbetter.

Notes:

Watermark of the Lion of the seven Provinces in a crowned oval, sometimes with the motto Libertate, Propatria, Eiusque and some pages have a LVG watermark. See **J4*** for details of this papermaker.

Item T7*

Date: October 9 1834 (on p. 185)

Author: John Taylor

Place:

Contents:

- p. 1 Drawing of mathematical instruments (ruler, dividers, pencil and page from Euclid)
- p. 2 Drawing of a horse
- p. 3 A collection of questions
- p. 42 Supplemental Questions
- p. 64 of the Mensuration of Superficies
- p. 65 Problem I [parallelogram]
- p. 75 Problem II [triangle]
- p. 81 Problem III [area of triangle with three sides given]
- p. 90 Problem IV [Pythagoras]
- p. 101 Problem V [trapezium]
- p. 107 Problem VI [trapezium]
- p. 113 Problem VII [regular polygon]
- p. 118 Problem VIII [regular polygon]
- p. 121 Problem IX [irregular polygon]
- p. 131 Problem X [circumference of a circle]
- p. 139 Problem XI [arc of a circle]
- p. 149 Problem XII [area of a circle]
- p. 157 Problem XIII [area of an annulus]
- p. 160 Problem XIV [area of a sector]
- p. 169 Problem XV [area of a segment]
- p. 184 Drawing of Artificial Sphere

Source:

Bonnycastle: *An Introduction to Mensuration and Practical Geometry*

Pages 96 and 97 have questions the same as those that appear in Bonnycastle's book on page 58 questions 5 and 6

Notes:

Watermark L E Co 1828

p. 22 'dissipated young fellow'

p. 40 'Marriage knot' rhyming question

Errors identified on pages 9, 10, 21, 29, 79, 123

Hersee notes that John Taylor was born in Barrowden, Rutland on July 14 1821 and died on September 16 1905. He was School Master at Edithweston [Edith Weston?], Rutland and later at Barrowden. He made the pulpit and reading desk in Barrowden church. He was a Bede House pensioner. The Taylor family's name is recorded in Barrowden parish register since 1610.

Item W13*

Date: September 14 1836 (inside front cover)

Author: Arthur Wall

Place: Wedmore, Somerset

Contents:

- p. 1 Miscellaneous Examples
- p. 10 [Geometrical constructions]
- p. 19 [Rule of three problems resumed]
- p. 20 [compound multiplication]
- p. 28 [bills]
- p. 30 [interest]
- p. 45 Numbers of property owned or occupied by Arthur Wall
- p. 48→blank

Source:**Notes:**

1831 watermark on some pages

Back of the book has been used for various remedies and expenses (1873 and 1875 seen).

There is a cure for Foot & Mouth Disease.

Some pages have been cut out.

Item W14*

Date: October 1824

Author: William B Wood

Place: Brislington Academy, Whitehall, Gloucestershire

Contents:

- p. 4 [name, date and school]
- p. 6 Division
- p. 24 Addition
- p. 36 Subtraction
- p. 40 Multiplication
- p. 60 Division
- p. 74 Division of Weights and Measures
- p. 84 Reduction
- p. 94 Troy Weight
- p.102 Avoirdupoise Weight
- p. 110 Apothecaries Wt.
- p. 116 Cloth Measure
- p. 124 Long Measure
- p. 129 Finished May 5th 1825

Source:

Hutton's *A complete treatise on practical arithmetic and book-keeping: both by single and double entry* is the source for questions on pages 127 and 127. The original questions appear in Hutton on page 17 as questions 1 and 2

Notes:

Watermarks LL and 1818 on various pages

Item Sa54*

Date: 1757 (p. 3) 1758 (p. 146)

Author: John Jackson

Place:

Contents:

- p. 6 Algebra
- p. 10 Of Addition of Whole Quantities
- p. 12 Subtraction
- p. 13 Multiplication
- p. 15 Division
- p. 19 Of Fractions
- p. 27 Of the Involution of Quantities
- p. 34 Of Evolution
- p. 37 A select Number of Algebraical Problems with their Solutions
- p. 41 Of Numerical Questions
- p. 53 Of Quantities in Arithmetical Progression
- p. 58 Of Geometrical Proportions
- p. 58 Of Harmonical Proportions
- p. 69 Musical Proportion
- p. 70 The Origin of Quadratick Equations
- p. 71 The Solution of adfected Quadratick Equations
- p. 80 Evolution and mixt Evolution of Numbers
- p. 88 How to Resolve all Manner of Equations by Converging Series
- p. 92 Of Numerical Questions
- p. 101 Elements of Geometry
- p. 133 Plain Trigonometry
- p. 142 Conick Sections
- p. 146 Of Definitions 1758
- p. 152 Conserving [sic] the Ellipsis
- p. 168 Conserving [sic] the Parabola
- p. 174 Concerning the Hyperbola
- p. 178→blank
- p. 184 [name and date]

Source:

Thomas Simpson's *Select exercises for young proficientes in the mathematicks* is the source for questions on pages 37 and 38. The question numbering is the same in the manuscript as in the text (where it appears on page 2 of the 1792 new edition by Charles Hutton).

Page 69 is in verse. This verse appears in Nathaniel Whittlemore's *A mathematical miscellany in four parts* 1751 on page 53. The book can be downloaded from http://books.google.co.uk/books?id=7-s2AAAAMAAJ&pg=PA53&lpg=PA53&dq=as+i+was+musing+all+alone,+what+paradox+to+pitch+upon,+to+entertain+the+fair&source=bl&ots=mDTiKT_Mde&sig=erymaLnhmSNGMkxr794B2LSEIEU&hl=en&sa=X&ei=CvN8UrnJEtCBhAel3oDgDw&ved=0CC0Q

[6AEwAA#v=onepage&q=as%20i%20was%20musing%20all%20alone%2C%20what%20paradox%20to%20pitch%20upon%2C%20to%20entertain%20the%20fair&f=false](http://books.google.co.uk/books?id=8dY2AAAAMAAJ&pg=PA370&dq=to+draw+a+tangent+or+right+line+that+may+touch+the+ellipsis+periphery+in+any+assign'd+point&hl=en&sa=X&ei=z_h8UqbVEdSR7Aae64CQDw&ved=0CDYQ6AEwAA#v=onepage&q=to%20draw%20a%20tangent%20or%20right%20line%20that%20may%20touch%20the%20ellipsis%20periphery%20in%20any%20assign'd%20point&f=false)

John Ward's *The Young Mathematician's Guide: Being a Plain and Easie Introduction to the ...* appears to be the source of the conic sections on pages 161 and 161. The case numbering is the same in the manuscript as in the text (where it appear on page 370 rather than page 377 as indicated in the manuscript, but this could be due to different editions of the book). The 3rd edition of 1719 can be downloaded from

http://books.google.co.uk/books?id=8dY2AAAAMAAJ&pg=PA370&dq=to+draw+a+tangent+or+right+line+that+may+touch+the+ellipsis+periphery+in+any+assign'd+point&hl=en&sa=X&ei=z_h8UqbVEdSR7Aae64CQDw&ved=0CDYQ6AEwAA#v=onepage&q=to%20draw%20a%20tangent%20or%20right%20line%20that%20may%20touch%20the%20ellipsis%20periphery%20in%20any%20assign'd%20point&f=false

Notes:

Watermarks of the Lion of the seven Provinces in a crowned oval, with the motto Libertate, Propatria, Eiusque and "WRYHEYT". This watermark was commonly used by Dutch papermakers and may have been from one of a dozen different paper mills. Also a crowned oval with GR on other pages.

Page 69 is in verse.

There is a loose signature of papers from a different source. They are catalogued below.

Contents:

- p. 1 [drawing of scales]
 - p. 3 The Geometrical Construction of Scales
 - p. 5 [astronomical calculations]
 - p. 7 To determine the Eclipse of the Moon in Plano
 - p. 11 Precept 16
 - p. 15 How to place the Moon's Orb in the Projection
 - p. 17 To find the Time of the Orbitale Conjunction
 - p. 20 Precept 17
 - p. 3 blank
-

Item za1

Date: 1886 (Jan. to Dec.)

Author: anon (organ scholar?)

Place: near Anglesey, N Wales

Contents:

Detailed monthly timetable, day by day, detailing all work and recreation, with hours involved, plus income and expenditure.

Item za2

Date:

Author: anon

Place:

Contents:

Geography: outline maps for countries of the world, with inked additions of boundaries, rivers and places, and colouring/shading of countries.

Item zG1

Date: 28/10/72 (1872)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Specimens of commercial penmanship: bills, letters;

last page features sketch of a swan signed by the Principal as examiner.

Item zG2

Date: 19/2/73 (1873)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Merchants' accounts adapted to Dr Brewer's book-keeping by single entry

Ledger

Front page: Index

Back cover: signed J Russell, examiner

Item zG3

Date: 19/2/73 (1873)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Cash book

Last page: signed J Russell, examiner

Item zG4

Date: 19/2/73 (1873)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Bought ledger

Front page: Index

Back cover: signed J Russell, examiner

Item zG5

Date: 19/2/73 (1873)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Day book

Back cover: signed J Russell, examiner

Item zG6

Date: 19/2/73 (1873)

Author: T Gent

Place: King Square Academy, Bridgwater,
Principal Mr J Russell

Contents:

Invoice book; invoices glued into book

Last page: signed J Russell, examiner

Item zJeG1

Date: 1863 (June to September)

Author: Gwenllian Jenkins

Place: Yniscorwg?

Contents:

Lines over 24 pages; one sentence per page; alphabetical order with J and U omitted.

Notes:

See **Sa44, zJeG2, zJeM1 to zJeM4, zP1.**

Item zJeG2

Date: 1865-6 (Dec. 12 to March 2)

Author: Gwenllian Jenkins

Place: Yniscorwg?

Contents:

Lines over 24 pages; one sentence per page; alphabetical order with J and X omitted.

Notes:

See **Sa44, zJeG1, zJeM1 to zJeM4, zP1**

Item zJeJ1

Date: February 6 1867

Author: Jenkin Jenkins

Place:

Contents:

Copybook for lines but used for history essays, beginning with Egbert.

Notes:

Close links with **zJeJ2**, **zJeM3**,

Item zJeJ2

Date: 1863-4

Author: Jenkin Jenkins mainly, but also Gwenllian Phillips

Place: Yniscorwg?

Contents:

Lines, including some larger lettering; one statement per page.

Notes:

See **zJeJ2**, **zJeG1**, **zJeG2**, **zJeM1** to **zJeM4**, **zP1**, **Sa44**

Item zJeM1

Date: 1863-4

Author: Mary Jenkins

Place: Yniscorwg?

Contents:

Lines, including some larger lettering; one statement per page.

Notes: See **Sa44**, **zJeG1**, **zJeG2**, **zJeM2** to **zJeM4**, **zP1**

Item zJeM2

Date: 1865 March 6 – May 11

Author: Mary Jenkins

Place: Yniscorwg? (and Glyncorwg on back cover)

Contents:

Lines, larger and smaller lettering; one statement per page.

Notes:

Glyncorwg is a parish on the bank of the River Neath, approximately 10 miles east of Neath. See **zJeM4**. Also see **Sa44**, **zJeG1**, **zJeG2**, **zJeM1**, **zJeM3**, **zP1**

Item zJeM3

Date: Feb. 20 1867

Author: Mary Jenkins

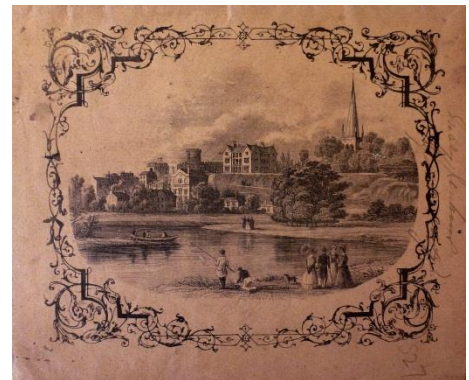
Place: Yniscorwg?

Contents:

Copybook for lines but used for history essays, beginning with Egbert.

Notes: Close links with **zJeJ1**

Also see **Sa44**, **zJeG1**, **zJeG2**, **zJeM1**, **zJeM2**, **zJeM4**, **zP1**



Item zJeM4, Mary Jenkins, Front cover

Item zJeM4

Date: March 1864

Author: Mary Jenkins

Place: Yniscorwg? (and Glyncorwg)

Contents:

Lines, larger and smaller lettering (same hand?); one statement per page.

Notes: See **Sa44**, **zJeG1**, **zJeG2**, **zJeM1** to **zJeM3**, **zP1**

**Item zJ1**

Date: 1864 ('Christmas 1864' dates some sketches)

Author: Miss Jones

Place:

Contents:

Interleaved large drawing book including pencil drawings of buildings and components; some repetitive practice pages.

Item zJ1, Miss Jones, Drawing
Christmas 1864

Item zJA1

Date: July 1861 – Aug. 1862

Author: Anne Jones, and another hand

Place: Tynyrheol House (see **Sa1**, **Sa3**, **Sa21**, **zJA8**, **zJJ31**)

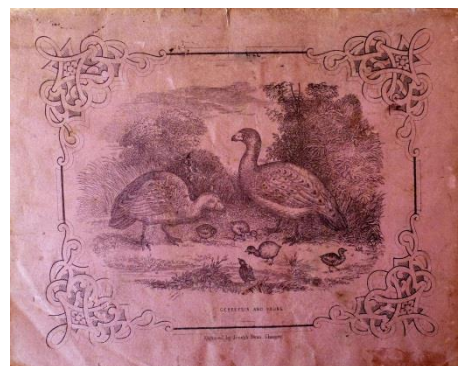
Contents:

Poetry: some ballads and choruses.

Notes:

Last page includes other names: Jennett? Jones, Gwenllian Jones, William? Jones.

See **zJJ22** to **zJJ28**, **Sa45**.



Item zJA1, Anne Jones, Back cover

Item zJA2

Date: 1864 (Christmas)

Author: Miss A Jones

Place: 4 Victor Place, Neath

Contents:

History, scripture, geography, grammer (**sic**), and 'common subjects'.

Notes: Red ink corrections throughout.

See **zJA3**, **zJA4**, **zJA6**, **zJA7**, **zJJ21**

Item zJA3

Date: Oct. 31 1865

Author: Anne Jones

Place: Suffolk House (different hand gives: Miss Blanche Allen, New End Farm ?, Hartpury, Glos.)

Contents:

Parsing, some domestic science and classical history.

Notes:

Also working back to front;

Back cover lists some accounts.

Suffolk House, Greyfriars, Gloucester was built in the C19th and for many years housed a private school. It has evolved into a Gloucester City school, but not on the same site.

(See **zJJ21, zJA7, zJA2 to zJA4, Sa14**).

Item zJA4

Date: 1865 (July 26 to Christmas), finishing Midsummer 1866

Author: Miss Anne Jones

Place:

Contents:

Copybook for numerals.

Notes: See **zJA2, zJA3, zJA7, zJJ21, Sa14**

Item zJA5

Date: Feb. 12 1867 to Aug. 28 1867

Author: Miss A Jones

Place: Ribston Hall (see **Sa15**)

Contents:

Parsing

Notes:

Teacher's initials after exercises.

Item zJA6

Date: Aug. 9 (no year)

Author: Ann Jones

Place:

Contents:

Copybook for penmanship – large and small hand – using moral education statements.

Item zJA7

Date:

Author: Annie(?) Jones

Place: Suffolk House (see **zJA3, zJJ21**)

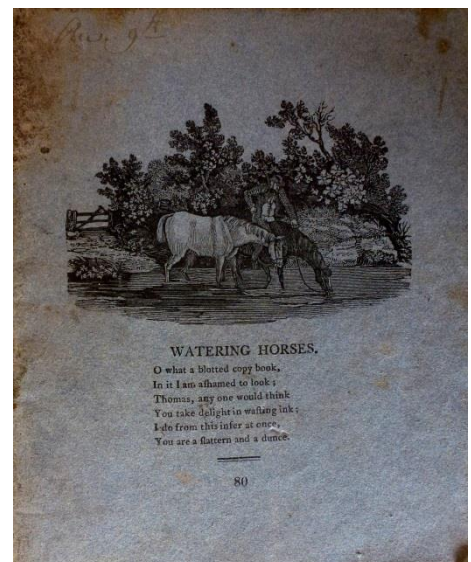
Contents:

Parsing, history, geography, grammar.

Notes:

Also working back to front;

teacher's input in pencil and ink throughout.



Item zJA6, Ann Jones, Front cover with verse

Item zJA8

Date: March 6 1878

Author: Anne Jones

Place: Tynyrheol (see **Sa1, Sa3, Sa21, zJA1, zJJ31**)

Contents:

French and a little German; some copying for lettering.

Notes:

Also working back to front.

Item zJJ11

Date: Feb. 5 1839 to April 29 1839

Author: Jenkin Jones

Place: Glyncastle and Swansea, No. 1 Union Building

Contents:

Copybook of 'lines', bar one page of text.

Notes:

See **Sa1, Sa3, Sa16, zJJ12, zJJ13**

Item zJJ12

Date: Nov. 1 1839 to March 11 1840

Author: Jenkin Jones

Place: Swansea, No. 1 Union Building

Contents:

Lines for A to Z statements; some 'select sentences' and some copying for numerals.

Notes: p.26: Jan 20 1840 'My birthday'.

See **zJJ11, zJJ13**

Item zJJ13

Date: March 12 1840 to March 27 1840

Author: Jenkin Jones

Place: Swansea

Contents:

Lines for A to G statements (H not copied).

Notes:

Page following lines records address for I Rees? at: Thos. Daniels in America, dated Nov. 27 1842 for letter received Jan. 3 1843; signed W Jones.

Back page pencil sketch of man and woman.

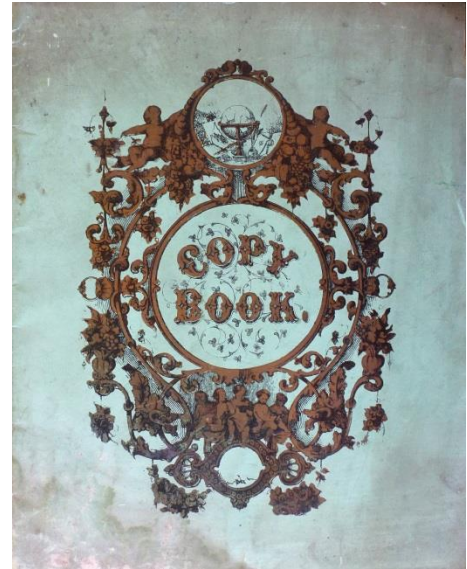
See **zJJ11, zJJ12**

Item zJJ21

Date: Xmas 1864

Author: Miss Jones

Place: Suffolk House, Grey Friars, Gloucester
(See **zJA3, zJA7**)



Item zJJ21, Miss Jones, Front cover

Contents:
Copybook for history facts (one per page).

Item zJJ22

Date: July 29 1864 to Oct. 12 1864

Author: Miss Jennette Jones

Place:

Contents:
History, geography, grammar.

Notes:

One teacher comment: 'disgracefully and carelessly done'!
See **zJJ23** to **zJJ28, Sa45**

Item zJJ23

Date: Oct. 18 1864 to March 6 1865

Author: Miss J Jones

Place:

Contents:
History, geography, grammar.

Notes:

Very brief teacher comments eg. 'no errors'.
See **zJJ22, zJJ24** to **zJJ28, Sa45**

Item zJJ24

Date: July 29 1864 to March 2 1865

Author: Miss Jennette Jones

Place:

Contents:
Parsing.

Notes:

Very brief and occasional teacher comments.
See **zJJ22, zJJ23, zJJ25** to **zJJ28, Sa45**

Item zJJ25

Date: July 29 1864 to March 2 1865

Author: Miss J Jones

Place:

Contents:
Penmanship for A to Z statements: John Heywood's Copy Book No. 6 Round Hand.

Note:

See **zJJ22** to **zJJ24, zJJ26** to **zJJ28, Sa45**

Item zJJ26

Date: July 29 1864 to Midsummer 1865

Author: Miss Jennette Jones

Place:

Contents:

Copybook for numerals.

Note:

See **zJJ22** to **zJJ25**, **zJJ27**, **zJJ28**, **Sa45**

Item zJJ27

Date: March 2 1865 to Midsummer 1865

Author: Miss J Jones

Place:

Contents:

Penmanship for A to Z statements:

Collins Copybook No. 5 Text and Half-Text.

Note:

See **zJJ22** to **zJJ26**, **zJJ28**, **Sa45**

Item zJJ28

Date: March 7 1865 to June 9 1865

Author: Miss J Jones

Place:

Contents:

Parsing.

Notes:

Very brief and occasional teacher comments;

End pages include pencil drawing and surveying information in another hand.

See **zJJ22** to **zJJ27**, **Sa45**

Item zJJ31

Date: March 6 1878

Author: Jennett Jones

Place: Tynyrheol (see **Sa1**, **Sa3**, **Sa21**, **zJA8**, **zJA1**, **zJA8**)

Contents:

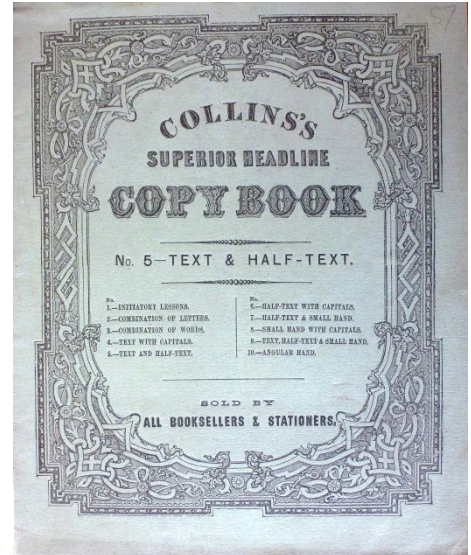
Exercises in French, English, German and Welsh?

Item zJW1

Date: 1868

Author: W Jones

Place:



Item zJJ27, Miss J Jones, Front cover

Contents:

Latin and history.

Notes:

Teacher's marking in pencil for error counts.

See **zJW2** to **zJW10, Sa3, Sa51**

Item zJW2

Date: May 17 1870

Author: W Jones

Place:

Contents:

Scripture, history (inc. family trees), geography and a little geometry.

Notes:

Also working back to front.

Some pencil marking by teacher.

See **zJW1, zJW3** to **zJW10, Sa3, Sa51**

Item zJW3

Date: Feb. 6 1864

Author: William Jones

Place: ?Neath (bookseller label)

Contents:

Drawing and Design: George Carpenter's series No. 1 for Straight Lines, Combinations etc.

Note:

See **zJW1, zJW2, zJW4** to **zJW10, Sa3, Sa51**

Item zJW4

Date: Sept. 8 1865

Author: Master W Jones

Place:

Contents:

Drawing and Design; George Carpenter's Series No. 2 for Rectilineal Figures.

Note:

See **zJW1** to **zJW3, zJW5** to **zJW10, Sa3, Sa51**

Item zJW5

Date: July 21 (year?) to Feb. 28 (year?)

Author: William Jones

Place:

Contents:

W. Smith's Copy Book Series No.1 for First Lessons: single strokes and letters.

Note:

See **zJW1** to **zJW4**, **zJW6** to **zJW10**, **Sa3**, **Sa51**

Item zJW6

Date: March 6 (year?)

Author: William Jones

Place:

Contents:

W. Smith's Copy Book Series No.3 for Words of Two, Three and Four Letters

Note:

See **zJW1** to **zJW5**, **zJW7** to **zJW10**, **Sa3**, **Sa51**

Item zJW7

Date: Dec. 2 1865

Author: Master W Jones

Place:

Contents:

W. Smith's Copy Book Series No.5 for Capitals and Figures.

Note:

See **zJW1** to **zJW6**, **zJW8** to **zJW10**, **Sa3**, **Sa51**

Item zJW8

Date:

Author: W Jones

Place:

Contents:

German and French exercises.

Notes:

Also working back to front.

See **zJW1** to **zJW7**, **zJW9**, **zJW10**, **Sa3**, **Sa51**

Item zJW9

Date:

Author: W Jones

Place:

Contents:

Scripture, plus a little copying in another hand.

Note:

See **Items zJW1** to **zJW8**, **zJW10**, **Sa3**, **Sa51**

Item zJW10

Date:

Author: W Jones

Place:

Contents:

Geography: maps (see **za2**) from outlines to completion.

Back to front working of a little maths.

Note:

See Items **zJW1** to **zJW9**, **Sa3**, **Sa51**



Item zJW10, W. Jones, Map of Europe

Item zK1

Date: October 10 1864

Author: Lewis Kempthorne

Place:

Contents:

Carpenter's drawing book No. 2: rectilinear figures.

Pages of different shapes repeated, then used and modified in a final line.

Item zL1

Date: circa 1900?

Author: C(harles?) Leppington

Place: unknown (book label Hull)

Contents:

Copybook for poetry, starting with 'The Lady of the Lake'.

Item zL2

Date: May 25 1900

Author: Charles Leppington

Place: unknown (book label Hull)

Contents:

Copybook for poetry.

Item zP1

Date: 1863 (June -)

Author: Gwenllian Phillips

Place: Yniscorrwg?

Contents:

Lines over 24 pages; one sentence per page; alphabetical order omitting J and U.

Notes: Author also in **zJeJ2**.

Also see **Sa44**, **zJeG1**, **zJeG2**, **zJeM1** to **zJeM4** for Yniscorrwg

Item zS1

Date: 1796

Author: Mr Sheatfeild

Place: Sevenoaks, Kent

Mr Whitehead's School

Contents:

Pages missing, bar title page for Summing Book and 2pp printed 'useful tables' dated 1794.