

HENRY COGGESHALL OF ORFORD.

INVENTOR AND MATHEMATICIAN.

A Tercentenary Memoir.

Among the names of Suffolk men flourishing in the reign of Charles the Second stands one that is peculiarly worthy of remembrance, that of Henry Coggeshall, Inventor and Mathematician, a man deserving well of posterity, since it was from him that the improved Sliding Rule in common use to-day originated. The Tercentenary of his birth at Orford falls due this year and "suggests a consideration of incalculable economies and inspirations so far derived from the Sliding Rule, which staggers even Mathematics with anticipations of the world-wide and inexhaustible application of its future fructifications," therefore it is our duty to record in the Proceedings of the Institute such information concerning this Suffolk man and his invention as it has been possible to gather.

Any reader faced with the task of rapidly computing the extent of an area, the size or content of a haystack, etc., must regard with envy the skill of a "practical" man who uses (though possibly he could never explain) the slide rule. In a few moments and applying less than one-twentieth of the figures we should require, he provides the answer with a comment "as near as makes no matter."

The art he employs is, of course, the method of "approximations," and I am bound to say he is often correct to within narrower limits than laborious

computations would allow. Coggeshall, then, is the man to whom this untold boon must be credited—a man all but forgotten in this connection at the present time but gratefully regarded even down to the early years of the nineteenth century. Latterly the slide rule has evolved into a charming ivory slip, provided with a “ cursor ” to mark the places, and whereas the smallest subdivision of Coggeshall’s was $1/10$ th inch, the millimeter is quite plainly to be seen on the modern scale. Apparently it was the need of a finer and quicker measurement of timber that impelled Coggeshall’s attention to the subject, and as he had to win a way for his Rule he wrote a pamphlet explaining its use. This did not include a sketch or description, but was rather a book of practical instructions to the user of the Rule.

A reproduction by the kindness of Mr. Wallace Gandy, of the title page of Coggeshall’s tract is here given, from which it will be seen that it was printed for the Author in 1677. The address to the reader is also worth giving in full, but to elucidate, it may be necessary to add that the word “ girt ” (gert) represents a line across a circle cutting off a quarter of the circumference, the basis for calculating content of tree trunks and huge baulks ; an easily grasped extension of this idea shows that liquid contents of barrels could be estimated on the same principle. Coggeshall was essentially practical—“ I refer thee to the Book and Rule ” : it was a later mathematician who gave lengthy descriptions of the rule.

“ To the Reader :—If thou delightest in Timber Measure, or hast Occasion for Much (such) ; thou has here a line so Fit for thy Purpose, that thou canst not imagine, much less, wish a better. For what can be more ready and easie, then having set twelve to the length, to see the Content exactly against the Girt or

R: 467
TIMBER-MEASURE

By a Line

O F *529. 5 33*

**More Ease, Dispatch and Ex-
 actness, than any other Way**

Now in Use,

By a DOUBLE SCALE.

After the Countrey-Measure, by the Length and a
 Quarter of the Circumference in Round Timber.

And by the Length and Side of the Square
 in Squared Timber, and Square
 equal in Flat Timber.

A S A L S O

Stone-Measure and Gauging of Vessels by the same
 Near and Exact Way. Likewise a Diagonal Scale
 of 100 Parts in a Quarter of an Inch, very Easie
 both to make and use.

By **HEN COGGESHALL**, Gent. *K*

L O N D O N,

Printed for the Author, and are to be sold by *Robert
 Pricke*, at the *Golden Ball* in *St. Pauls Church-
 yard next Cheap-side*. where you may have Choice of Books
 of *Geometry, Persp-ctive and Architecture*; likewise
Italian, French and Dutch Prints. 1577.

Side of the Square. Whereas on Mr. Partridge's Scale the Content is the Sixth Number, which is far more troublesome than with Compasses. The Line is also so clear, that one cannot easily mistake any way. Also the Girt-Line being subdivided into halves and Quarters of Inches, renders this way more exact than any other way, by Decimal Division. But a Mean Proportional is also most easily and exactly found hereon, whereby Flat Timber, or such as hath Breadth and Depth, as also Stone, etc., is also readily Measured hereby. Gauging of Vessels is likewise readily and exactly Performed by this Line. Besides, in great Pieces the Content is given in Loads and Feet directly, where the Load is accounted 40 Foot. Lastly, being small or great, it is Measured (in a manner), with equal facility. But I refer thee to the Book and Rule, not doubting of thy kind Acceptance, as it never failed of the Approbation of all such Gentlemen, and others concerned in Timber, who have seen and understood it, it being none of the least Commendations of it, that it is presently understood."

Following the License appears an advertisement:—
 "These RULES with all other Mathematical Instruments, are made by Walter Henshaw, at the Globe and Marriner, near the Hermitage Bridge, near Wapping."

This somewhat confirms the opinion that the tract was not intended to be academic, but rather a book of instructions to accompany the Rule.

Evidently the new Rule made friends quickly, and further uses for it were found, for in 1682 Coggeshall put out a second edition of his tract with considerable additions and amendments and making therein a dry comment on the errata in the former edition, which, says he, were "no great advantage to the Rule."

After his death the tract was again extended and re-issued as a third edition in 1722. Another edition, much edited, appeared in 1729, and another, greatly extended by J. Good, appeared in 1733.

Good's edition contains a full size sketch of the rule folded in, and a description which we may take as standard, inasmuch as Dr. Chas. Hutton's *Mathematical and Philosophical Dictionary* (1795) quotes it. It is hardly necessary to give in these pages an illustration of a carpenter's rule. Suffice it to say that there were three principal forms of the Rule:—

Sliding by one another like glaziers' rules;

Sliding in a groove in the side of a two-foot joint rule;

One part sliding on the other in a foot long, the back part being flat.

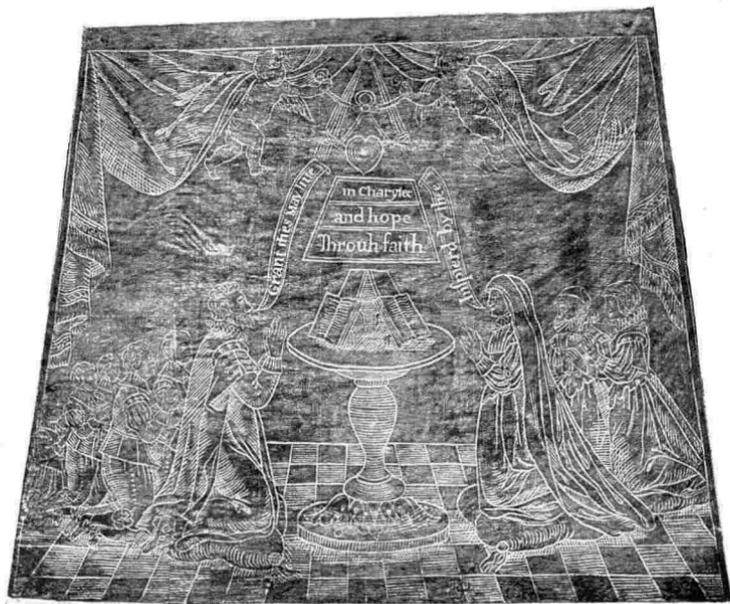
The sliding portion carried Coggeshall's lines, which were the appropriate divisions of the space in determined proportions. Earlier work on slide rules had been done by Gunter and Partridge, but Coggeshall's system was acclaimed superior.

To turn from the invention to its originator:—Henry Coggeshall was baptised in Orford Church two days before Christmas, 1623. He was the third son of John Coggeshall, a wealthy gentleman of coat armour, one of the portmen of the Corporation of Orford, and who had served three several years as Mayor of that ancient borough. This John married a lady of the same town named ELIZABETH BEVERSHAM, by whom he had five sons, James of Dallinghoo, who married Barbara, daughter of Anthony Yorke, Francis, Henry the subject of this paper, John of Melton who married Elizabeth daughter of Philip Boone of Saxted, and Thomas, who lived at Carlton and who wedded Sarah daughter of Edmund Scott of Glemsford, gent.,

from which pair the Coggeshalls of Framlingham descend ; and two daughters, Elizabeth, wife of George Goodwin, and Mary who died in infancy.

The brass of Henry's father is one of unusual character. It is a rectangular plate representing on a pavement of square tiles incised in perspective the kneeling effigies of the deceased and his wife, with a circular table between them, on which rests two open books, supported by cushions. John Coggeshall is shown with bare head, with a ruff round his neck and attired in a gown slashed at the shoulders and frogged with braid ; beneath this appears a doublet with tight sleeves buttoned at the wrist. Behind him are seen his sons in short doublets with turned down collars and turned up wristbands, their breeches ornamented with a row of buttons at the side. Elizabeth his wife kneels facing him and is robed in widow's weeds and ruff, and puffed sleeves. Her two daughters wear short jackets scalloped on the lower edge. Both the principal figures have lip scrolls ; that issuing from John Coggeshall bears the words, GRANT THES MAY MAY LIVE, to which his wife makes answer INSPIERD BY THEE : Between them in the " field " are the words IN CHARYTEE AND HOPE THROUH FAITH. Above, attendant cherubs are holding ribbons from which is suspended a heart in flames. Between the names *John* and *Coggeshall*, deeply cut in the stone, is a small oval brass plate with the arms of Coggeshall impaling Beversham and above them the crest of Coggeshall—and underneath all likewise cut in the stone is the curious rhyming epitaph printed in *Mon : Inscriptions at Orford* 1911, p. 5.

Among the Chancery Proceedings in the Public Record Office is a suit C.8 106/68 in which the complainant is Elizabeth relict and executrix of John Coggeshall of Orford and the defendants William



Brass of John Coggeshall, Mayor's Chapel, Orford Church.

Cardinall Elder, William Cardinall the Younger, Henry Gray and Dorothy his wife, Francis (illegible) and Richard and John Keeting. The Complaint states that Francis Derehaugh of Gedgrave, Esqre., leased to John Godbold the Low Marsh in Gedgrave 1st Oct. 13 James 1 (1616) who on the 30th of the same month re-let it to John Ady, the said Marsh being then in the occupation of Coe Beversham, gent. The lease which was let on a term of 99 years had a right of redemption on payment of £400 by James, brother and heir of Francis Derehaugh, John Godbold, or Arthur Middleton. It was, it seems, mortgaged to John Coggeshall who duly made his will 20th February, 1631, leaving to his five sons and two daughters £200 each, and the whole of his personal estate to his wife, who brings this suit against William Cardinall who married Margaret (then deceased) sister and co-heir with her sister Dorothy, wife of Henry Gray, Esqre. and sister of Francis and James Derehaugh. The dispute about this mortgage is inconclusive as the replications are missing, but it established the fact that John Coggeshall left a will.

Elizabeth Coggeshall also made a will dated Sep. 22nd 1653 and proved 16th Octr. 1661 by her son Thomas to whom she leaves lands in Carlton, Kelsale and Saxmundham ; she also leaves legacies to her four other sons and her daughter Elizabeth Goodwin. (See *Reg. of Eng. Mon. Insc.*, Vol. 1, p. 6).

To return to Henry. He was admitted a pensioner at Pembroke College, Cambridge, the third of October 1638, seven years after the death of his Father, and duly matriculated taking a B.A. degree in 1642-3. He is described as of Benhall and married Eleanor daughter of John Geoffrey, alias Spooner, of Tannington by whom he had four sons, John born 1685, Henry, Thomas and William, and a daughter Mary.

Of Henry's two elder sons little is at present known, but William the youngest was in trade as a Maltster at Diss. He was born at Stratford St. Andrew, 1666, married Elizabeth, daughter of William Camell, of Diss, gent., and by her had two sons, Thomas Coggeshall of Diss and Ipswich, Esqre., and John who died in childhood.

There was a suit in Chancery dated 24th Octr. 1712 in which William and his wife and two sisters Sarah and Margaret Camell complain against Mary, relict of William Burton of Diss, Maltster, for certain legacies due to Elizabeth and her sisters, of which Charles Camell and other legatees have conspired to defraud her. But this suit is only of interest to us in that it proves the marriage of Elizabeth with William Coggeshall. He died 9th August, 1714, and his relict June 8th, 1718. They were buried under an altar tomb in Diss churchyard. (See pedigree which follows, p. 63).

In conclusion it is highly interesting to record that two or three members of the Institute contemplate the publishing of a facsimile of the first edition of Coggeshall's tract in the hope that by example it will compel a deeper interest in the lives and labours of our lesser known county worthies, and moreover they hope it may result in some fitting memorial to our Mechanical Pioneer being set up at his birthplace to witness to future generations, that while others held back and floundered, he swam the torrent and fulfilled the racial charter of high purpose so finely in these later days set forth by R.L.S. in the following lines:—

“ O give to me that man of men
That I may make him king
Who dares to risk the consequence
And dares to do the thing.”

H.W.B.W.

*BIBLIOGRAPHY.

I. **TIMBER MEASURE** By a Line of More Ease, Dispatch and Exactness, then any other way Now in Use, By a **DOUBLE SCALE**. After the Countrey-Measure, by the Length and a Quarter of the Circumference in Round Timber. And by the Length and Side of the Square in Squared Timber, and Square equal in Flat Timber **AS ALSO** Stone-Measure and Gauging of Vessels by the same Near and Exact Way. Likewise a diagonal Scale of 100 Parts in a Quarter of an Inch, very Easie both to make and use. By **HEN. COGGESHALL** gent **LONDON**, Printed for the Author, and are to be sold by *Robert Pricke*, at the *Golden Ball* in *St. Paul's Church-Yard* next *Cheapside*, where you may have choice of Books of *Geometry*, *Perspective* and *Architecture*; Likewise *Italian*, *French* and *Dutch* Prints. 1677.

The first Edition. Title (verso blank). To the Reader [4 pp] last p blank. +36 pp. the last with errata +2 pp. Licensed. May 25 1677. Roger L'Estrange. And Entred according to Order. On the verso, These Rules with all other Mathematical Instruments are made by *Walter Henshaw* at the *Globe and Marriner*, near the *Hermitage - Bridge* near *Wapping*.

8°

II. **A TREATISE OF MEASURES**, BY A **TWO-FOOT RULE**, which Slides to a Foot: *on which is*, the best Measure of **ROUND TIMBER** the common way. **ALSO** The true Measure of Round, Square, or other Regular *Timber*, or *Stone*, *Board*, *Glass*, *Paving*, *Painting*, *Wainscot*, &c. Gaging of Vessels, whether ordinary Cask, or Great Tuns WITH A diagonal Scale of 100 Parts in a quarter of an Inch, easie to make and use. By **H. C. gent**.

London. Printed by **A. G. and J. P.** and are to be Sold by *Henry Wynn* Mathematical Instrument Maker; } next the *Sugar Loaf* in *Chancery Lane*. 1682.

Title. "To the Reader [2 pp.] +75 pp

12°

III. **THE ART OF Practical Measuring** Easily perform'd By a **TWO FOOT RULE**, which slides to a Foot; On which is the best Measure of round Timber the common way. **ALSO** The true Measure of round, square, or other Timber or Stone, Board, Glass, Pavings, Painting, Wainscot, &c., Gauging of Cask, and gauging and inching of Tuns. **CONTAINING** Brief Instructions in Decimal Arithmetick. The best way of using the Logarithms according to *Mr. Townley*. The Use of a New diagonal Scale, of 100 Parts in a

*From Mr. J. Harvey Bloom's MS. of Vol. II. Suffolk Tracts, Etc.

quarter of an Inch, applied to *Gunter's Chain*. And lastly, Some useful directions in *DIALLING*, not hitherto published. *The third Edition corrected and amended* By HENRY COGGESHALL, *gent.*

London, Printed by H. Clark, for Richard King, at the *Princes-Arms* in *St. Paul's Church-Yard*. 1722 Title, "To the Reader (4 pp.) + Contents (6 pp.) + 113 pp. and advertisement, "Books printed for Richard King. 1p with folding plate. 12^o

IV. *Measuring made Easy*: OR THE Description and Use of COGGESHALL'S SLIDING RULE CONTAINING Instructions for Measuring all manner of Timber, both by the Common Way, and the true way. With directions for taking the Dimensions of Trees, and the Allowance for Barks, &c. Performed both by the Rule and by Arithmetick By which may be Measured all manner of Superficies, as *Board, Glass, Plaistering, Painting, Wainscoting, Tyleing, Paving, Land*, both by the Rule and Arithmetick. By J. GOOD, *Teacher of the Mathematicks* Carefully Corrected, and much Enlarged by J. Atkinson, Sen.

London, Printed for T. Page, W & F. Mount, at the *Postern on Tower Hill*. 1724.

Title "To the Reader," Contents 78 pp. 8^o

V. THE ART OF PRACTICAL MEASURING, Easily perform'd by a Two-Foot RULE *The FOURTH EDITION*. To which is added, in a concise Method, the Use of *Scammozzi's Lines*, for finding the Lengths and angles of Hips and Rafters, &c., at any Pitch; illustrated by Schemes done from Copper Plates, in Frames, that are Square, Bevelling, or Tapering. The whole carefully Revised, and where deficient Supplied that it may be plain and easy to the meanest Capacity, By JOHN HAM.

London: Printed for RICHARD KING at the *Princes-Arms* in *St. Pauls Church-Yard*. 1729.

Folding plate. Title. The preface by John Ham 4 pp. Advertisement and Contents 6 pp. + 90pp. and three folding plates in the text. 12^o

VI. MEASURING *made EASY*: OR, THE Description and Use of COGGESHALL'S SLIDING -- RULE. CONTAINING Instructions for Measuring all manner of Timber, both by the Common Way, And the True Way: with Directions for taking the Dimensions of Trees. and the Allowance for Bark, &c. perform'd both by the Rule, and by Arithmetick, by which may be Measured all Manner of Superficies; as, *Board, Glass, Plaistering, Painting, Wainscoting,*

Tyleing, Paving, Land, &c., both by the Rule and Arithmetick. Whereunto is now added The Description of *Scamozzi's Lines*, with their Use in finding the Lengths and Angles of Rafters, Hips, Collar-Beams &c. By J. GOOD, *Teacher of the Mathematicks*. Carefully corrected and much Enlarg'd by J. Atkinson Sen.

LONDON: Printed for W. Mount and T. Page, at the Postern on Tower-Hill. 1733.

Title. To the Reader. 96 pp. with a folding plate. 8°

VII. THE ART OF PRACTICAL MEASURINGS BY THE SLIDING RULE:

Shewing how to Measure

Round Square, or other

TIMBER GLASS

STONE PAVING

BOARD PAINTING, and

WAINSCOT.

Also GAUGING; with Instructions in Decimals, Mr. TOWNLEY'S Method of the Lo-garithms, and the Use of the Diagonal Scale applied to *Gunter's chain*. By HENRY COGGESHALL, *gent.* Whereto is added, in a Short Method The Use of SCAMMOZZI'S Lines for finding the Lengths and Angles of Hips, Rafters, &c. at any Pitch, in Square, Bevelling, or Tapering Frames. By JOHN HAM. The SEVENTH EDITION, carefully Corrected.

LONDON: Printed for EDWARD and CHARLES DILLY, in the Poultry, near the Mansion-House. MDCCLXVII.

Folding plate Title. The Preface Contents xii. +96 pp. with 3 plates inserted in the text. 12°

NOTES TO PEDIGREE.

* Chancery Proceedings: Coggeshall v. Cardinall.

C.8 106/68. Coggeshall v. Cardinall.

Compl' of Eliz. relict and Execr. of John Coggeshall of Orford v. William Cardinall the Elder. Wm. Cardinall Jr., Henry Gray & Dor his wife, Fras. Middleton, Edw. & Fras. Thurland Francis . . . Richd. & John Keeling Defs. Francis Derehaugh of Gedgrave Esqre. decd. by Indre. 1 Octr. 13, Jas. 1, leased to John Godbold the low marsh in Gedgrave who by Indre. of 30th Octr. 13, Jas. leased to John Ady the said Marsh then in occupation of Coe Beversham gent. for 99-years at Id. rent with right of redemption on payment of £400 by James, bro. & heir of Fras. Derehaugh. John Godbold or Arthur Middleton, 2nd Novr. 1624 which was mortgaged to Compls husband. John Coggeshall made his will 20th Feb 1631 and gave to each of his five sons and two daughters £200 each and to oratrix all personal estate and made her exec. She proved the will. A suit arose between Wm. Cardinall who married Margt. (decd.) sister of Fras. & James Derehaugh & Henry Gray Esqre., and Dorothy his wife the other sister & Co-heir.

† Will of Coe Beversham of Sudbourne, Yeoman.

Eldest son William all lands in Walton Co. Suff. a tent. at Wilby bought of Nichs. Haywood when 21. He to have £16 a year maintenance. . . To dau Zilpah when 21 a tent. in Wilby bought of John Withe, Rachel Bredlaugh, Susane Coggeshall. Written before testator's death and approved and confirmed by him in presence of Rachell Bradlie widow Susan Coggeshall, William Beversham, Robert B. and John B. whom he appointed executors.

He also declared that if his son Wm. paid Zilpah £500 then he should have the land in Wilby and he gave her a ring with a red stone: To his sister in law Alice Hubbard his tent. in Bridge Street, Orford. To Faith Beversham his wife £20 a year, son Robert Beversham £200 of which his house and lands in Orford late Wm. Blanshflowers should be part. To his son Wm. a gelding. His brother Robert Beversham of Woodbridge and his brother in law John Coggeshall of Orford, Executors.

Pr. with the codicil 27 Aug. 21 Jas. 1 by Robert & John.

P.C.C. 23. Clarke.

† (a) Will of Henry Coggeshall of (b) Campsey Ash, co. Suff., Gent.

My soul to Almighty God &c., and my body to Christian burial.

To my sons Henry, Thomas and William Coggeshall and to my daughter Mary Montford £10 equally between them, within one year of my death, to be paid by Ellenor my wife.

My lands in Aldeburgh and two tenements which I have in reversion there (all held of Aldeburgh Manor) to be sold by my wife and money used to pay my debts and expenses and any residue to her own use.

My lands and tenements in Dunnington to be sold within a year of the death of Elizabeth Coggeshall my sister-in-law and the money to be used in paying the legacies bequeathed in the Will of my Brother John Coggeshall deceased and in my own will.

To my said wife Ellenor £100

To my son Henry £50

To my son Thomas £40

To " William £60

To my daughter Mary £40 and if she die before it is due to be paid, then to her children then alive when 21 and meanwhile to be improved for their benefit.

All residue to my said wife Ellen, sole execx.

John Spencer

T. Peachee

John Bloss

} Witnesses

Date 24th April 1690

Proved 30th March 1691 by the execx.

(a) (Court of the Archdeaconry of Suffolk. Register 1691, fo. 197.)

(b) (Described as of Benhall, in the " Visitation," by Sir Edward Bysshe, Kt., 1664).

§ Thomas Coggeshall of Ipswich Esq. 17 Dec 1767

To coz. William Coggeshall of Beccles my farm at Brundish for life, and after his death to Martha his daughter for life, and after her decease to John son of my friend Mr. Mileson Kingeston and the Revd. Richard Canning son of my friend the Revd. Mr. Canning of Ipswich in trust for her children in equal shares, and failing such issue to my cousin William Coggeshall now or late of Wickham Market for life and after his death to the above said trustees in trust for his child or children. To my cousin Elizabeth Camell of Norwich schoolmistress my farms of Halingworth now in the occupation of Robert Chapman and John Warner, during her life, and on her decease to Martha daughter of William Coggeshall of Beccles and on her death to the above said

A PEDIGREE OF COGGESHALL OF ORFORD, SUFFOLK.

John Coggeshall of Orford, a Portman, and three times Mayor of Orford, born 1582, Bur. in the Mayor's Chapel at East-End of North Aisle, St. Bartholomew's Church there, 23 Feb. 1631-2. Mem: brass and Insc: (Vide Farrer's Suffolk Brasses). Will* dated 20 Feb. 1631-2 [P.R.O. Chanc. Proc. C 8 106/68 proved] at Norwich, and duly appears in the calendar for 1631-2, but the volume of registered copies is missing and a note in the index says "original will missing from File."

Elizabeth, sister † of Robert Beversham of Woodbridge, Co. Suff: Gent: daug: of William Beversham of Orford, Merchant, and Margaret his wife (dau. of James Coe of Orford, Merchant and first Mayor of that town) Bur: at Carlton by Saxmundham, Co. Suff: 18 Sep. 1661. Will dated 22 Sep. 1653. prov 16 Oct. 1661.
[See Mon: Insc: Orford 1911 p. 6.]

<p>1. James Coggeshall of = Barbara dau. of Carlton and Dallinghoo Anthony Yorke Co. Suff. bap: at Orford 24 Feb. 1617-8 alive in 1653</p>	<p>2. Francis Coggeshall, bap. at Orford, 18 Oct. 1619 d.s.p.</p>	<p>3. Henry Coggeshall = Eleanor, Inventor of the Sliding Rule. Mathematician. bap. at Orford 23 Dec: 1623 of Benhall and Campsey Ash Co. Suff: Matric. Pembroke Coll: Cambridge 3 Oct. 1638 B.A. 1642-3 held lands at Aldeburgh and Den- nington Bur. at Orford 19 Feb. 1690-91 Will† dated 24 April 1690 prov. 31 March 1691 [Archd of Suff file 3 f 197] See Mon Insc: Orford 1911 p. 7.</p>	<p>4. John Coggeshall = Elizabeth of Melton, Gent. Bap at Orford 4 Aug. 1626 Will dated 20 Jan. 1680-81 prov. 1681 [Archd of Suff: 1681, File 146 No. 1628 alive 1691. 88]</p>	<p>5. Thomas Coggeshall = Sarah, dau. of Edmund Scott of Carlton, Co. Suff: Bap at Orford 9 Dec 1628 died 17 Dec. 1712 bur: at Saxmundham Co. Suff: Will [Archd. of Suff: 1712 File 63 No 15]</p> <p style="text-align: center;">Coggeshall) of Framlingham</p>	<p>Geo. Goodwin, = son of James Good- win of Woodbridge, gent: and Eliza- beth his wife</p> <p style="text-align: center;">Goodwin of Marlesford</p>	<p>6. Elizabeth bap at Orford 22 July 1616: Mar at Carlton 16 Nov: 1641. Bur. at Carlton 20 Oct. 1656.</p>	<p>7. Mary, bap. at Orford 21 Aug: 1621 Bur: there 10 Apl. foll:</p>
--	---	---	--	--	--	--	--

1. John Coggeshall
? died before 1691

2. Henry Coggeshall of
Campsey Ash Co. Suff

3. Thomas Coggeshall of
Eyke Co. Suffolk:

4. William Coggeshall of Diss Co. Norf.: born
at Stratford St. Andrew, died at Diss 9 Aug.
1714. A.T. in chyd. there.

Elizabeth, dau. of
William Camell of Diss.
gent: died 8 June 1718
bur: with her husband.

Montford = 5. Mary bap. at Tan-
nington Co: Suff: 12
March 1653.

1. Thomas Coggeshall of Ipswich Esquire adm. St. Cath. Hall, Cambridge
and to Middle Temple 1 April 1727 d.s.p. 29 Feb. 1768 A.T. St. Matthew's
chyd, Ipswich will§ dated 17 Dec. 1767, prov. in London 15 Apr. 1768 [P.C.C.
123 Secker.

= Sarah dau. of born 6 March 1703
died 2 June 1747. Bur. A.T. in St. Matthew's
chyd. Ipswich.

2. John died 13 April
1706 A.T. in Diss chyd:
Norf.

See Notes.
* p. 63
† p. 64
‡ p. 64
§ p. 64, 65

trustees in trust for her children and failing issue to the above said William Coggeshall of Wickham Market. To my cousin Elizabeth Cuningham of Eye single woman my farm at Denington and my lands at Hoxne with remainder to Martha above named and to the said trustees at her death in trust as above named my friend Mr. Thomas Sherriffe of Bungay to receive the rents during the life of William Coggeshall of Beccles who is unable to take care of the same himself the money to be paid to his support and maintenance. To Elizabeth Camell her heirs and assigns I leave my house at Ipswich. All estates in Diss and Roydon to be sold and used as I direct. If Mr. Sheriffe to have the refusal at £1,800. £10 each for mourning to Wm. Coggeshall of Beccles. And Martha his daughter, and Wm. Coggeshall of Wickham for mourning. To Bridget wife of Mr. Healy of Saxmundham £100 to Mrs. Payton daughter of Mrs. Beart £200, to Mrs. Beart £100. To Mrs. Elizabeth Trusson sister of Mr. Truson of Kelsale £100, To Mary wife of Mr. Wm. Tressor £100. To Richard son of Mr. Richard Brown. Mrs. Symonds wife of the Rev. Mr. Symonds and sister of the late Mr. Brown £100. To Margaret and Bridget the other two sisters of Mr. Brown £100 each To Mr. Sam Kilderbee of Framlingham and his two sons and dau. £50 a piece. To Mr. Robert Camells children £400. To Elizabeth Camell £500. To Elizabeth Cuningham £500. To Mrs. Cuningham of Norwich widow of Mr. Jonas Cuningham £100. To Mr. James Camel of Holbrook surgeon and George Camel his brother £100 each, which Wm. Martha and Wm. Coggeshall are my relations on my father's side and the said Mr. Healy, Mr. Beart, Mrs. Kilderbee's relations on the part of my cousin and benefactor John Coggeshall of Framlingham and the family of Camells are relations on my mother's side.

£1,500 to be placed in Government securities in the names of my executors and the interest paid to my faithful servant Jane Wright during her life. To my friend George Wegg £400. To the Revd. Richard Canning the elder £500. To Mr. Sheriffe, the Rev. Mr. Bishop, the Revd. Dr. Bateman, the Rev. Jas. Brown, the Revd. Philip Carter, Dr. Venn, Mr. Thos. Truston, Wm. Merchant, and Mr. John Kingston £100 each. To Mrs. Clarke of Mellis her son and two daughters £50 each. To servant Mr. Chas. Spalding £100. To late servant Saml. Sawe £100. To Mr. Jackson nephew of Mr. Crighton £100. To Mrs. Elizabeth Crighton, Mr. Joshua Kirby, Mr. Wm. Kirby, Mr. Canning, Junior, Mrs. Sheriffe, of Diss, Miss Sheriffe her dau. and Mrs. Lewes of Bungay £20 each. To Mrs. Kingeston widow of Mileson Kingeston £50, Mr. John Tuthill £50. To the charity school at Diss £100. To the poor there and of St. Mathew's Ipswich £100 each. To the School of the Greycoat boys and Blue coat girls at Ipswich £50. To the Corporation for relief of clergymen's widows £50, and numerous smaller legacies to friends and servants. Executors Mr. Richd. Canning senr. and Mr. George Wegg.

Witn. John Cole, Robt. Manning, John Shave.
Pr. by Rich. Canning at London 15 Ap 1768.

H.W.B.W.