

Making correspondence readable in an online edition

David Denison

29 November 2017

Research IT Club

INTRO

Mary Hamilton (1756-1816)



(Anson & Anson
1925: frontispiece)

- John Rylands Library acquired
 - 2474 items of correspondence
 - 16 autograph diaries
 - 6 manuscript volumes
- Project title, 2013-present
 - **Image to Text**
 - David Denison, Nuria Yáñez-Bouza
 - based on student transcriptions + student RAs

Mary Hamilton (1756-1816)



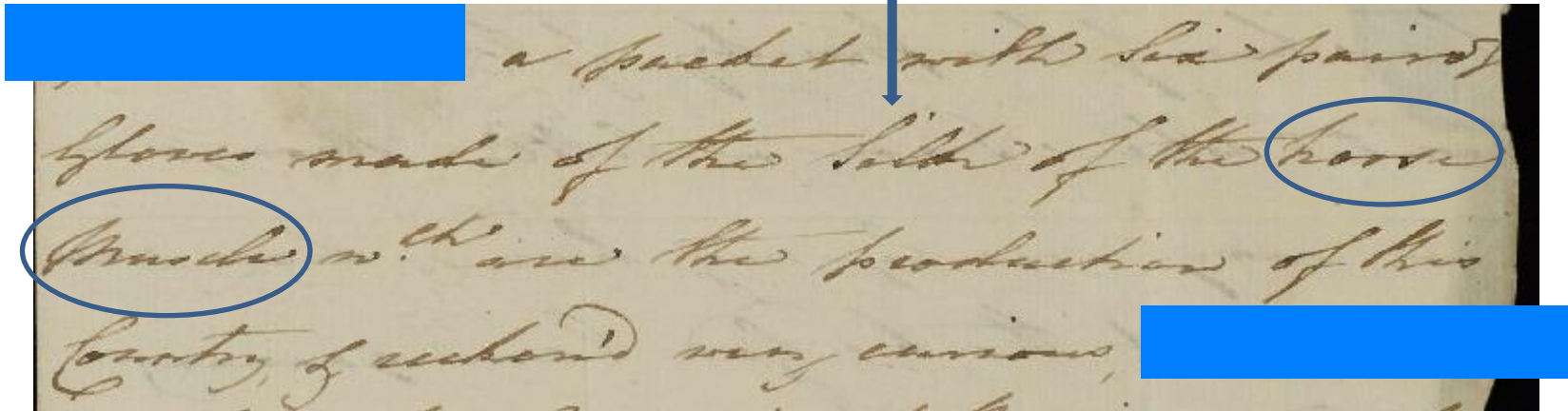
(Anson & Anson
1925: frontispiece)

- John Rylands Library acquired
 - 2474 items of correspondence
 - 16 autograph diaries
 - 6 manuscript volumes
- Provisional title of complete edition, 2017-
 - **The Mary Hamilton Papers**
 - David Denison, Nuria Yáñez-Bouza, Sophie Coulombeau, Hannah Barker
 - and postdocs (+ student involvement)

Why do it?

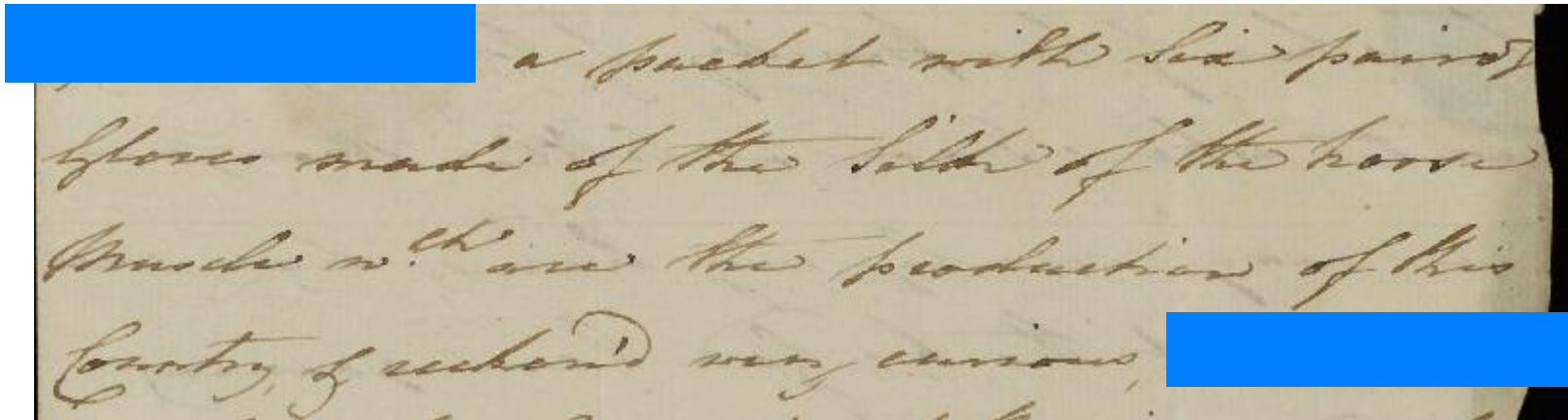
- Interesting, admirable, much-loved woman
- Fascinating archive
- Obsessive pleasure of deciphering text

Silk?



a packet with Six pair of
Gloves made of the Silk of the
w^{ch}. are the production of this
Country, & reckon'd very curious,

Silk?



a packet with Six pair of
Gloves made of the Silk[†] of the horse
mussel which are the production of this
Country, & reckoned very curious,

[†]‘Sea silk’ made from the secretions from Mediterranean pen shells.

Why do it?

- Interesting, admirable, much-loved woman ✕
- Fascinating archive ?✓
- Obsessive pleasure of deciphering text ✕
- Value for research – linguistic, literary, historical, art-historical, ... ✓
- More efficient and more useful as digital resource than in book form ✓

PROJECT WEBSITE

Website 2014-

- Dept/Faculty website, maintained by DD
- Letters display programmed by George Bailey (self-taught undergrad!): XSLT, CSS, Javascript
- XSLT (+ CSS, js) tweaked by DD 2014-17 for fancier mouseover behaviour and pop-ups
- Site moved to WordPress September 2016

Website 2014-17

[x] Back to Table of Texts

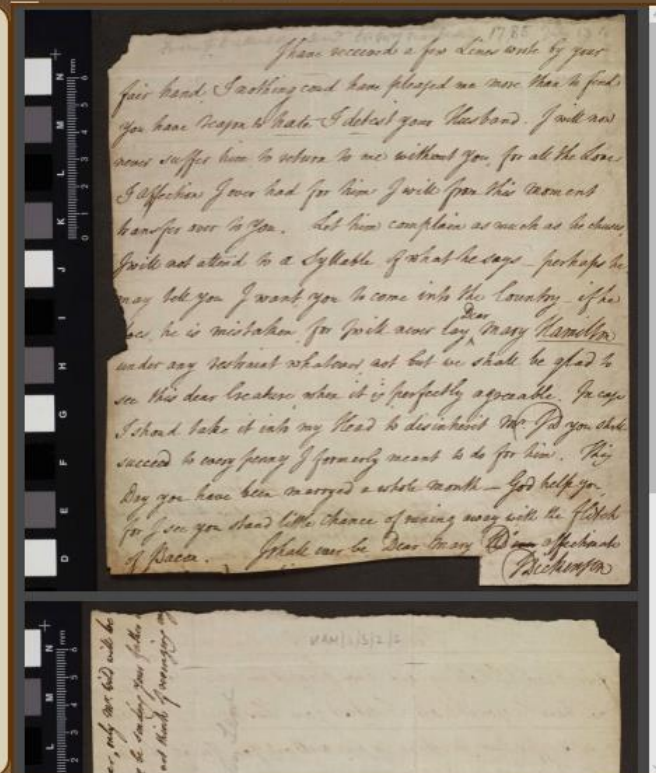
HAM/1/3/2/2

Letter from John Dickenson Senior to Mary Hamilton
Text | Metadata Original (image pdf)

From J Dickenson Sen^r to M^{rs} Mary Dickenson 1785 July 13
I have received a few Lines wrote by your
fair hand & nothing could have pleased me more than to find
you have reason to hate & detest your Husband. I will now
never suffer him to return to me without you, for all the Love
& Affection I ever had for him I will from this moment
transfer over to you. Let him complain as much as he chuses.
I will not attend to a Syllable of what he says -- perhaps he
may tell you I want you to come into the Country -- if he
[d]oes he is mistaken, for I will never lay ^{Dear} Mary Hamilton
under any restraint whatever not but we shall be glad to
see this dear Creature when it is perfectly agreeable. In case
I should take it into my Head to disinherit Mr JD you shall
succeed to every penny I formerly meant to do for him. Thir
Day you have been married a whole month -- God help you,
for I see you stand little chance of running away with the Fitch
of Bacon. I shall ever be Dear Mary HD affectionate
J Dickenson

for their money -- It was only yesterday I came to the
knowledge of his ^{these} matters ^{when} I lost no time in sounding the Alarm. Tell
M^r. D that M^r. Wild the agent is in advance 570£ M^r Cooper of London
acts for the annu^{al} [ants] & is sending down Executions to secure the Rents, but
we shall soon let them now approve of what I w^d have had done last Year, only M^r. Wild will be
It is not unlikely but General Birch may be sending your Father
other world, & all I desire is that your friend may not think of revenging my

(hover over blue text for clarification)



Mouseover

[x] Back to Table of Texts

HAM/1/3/2/2

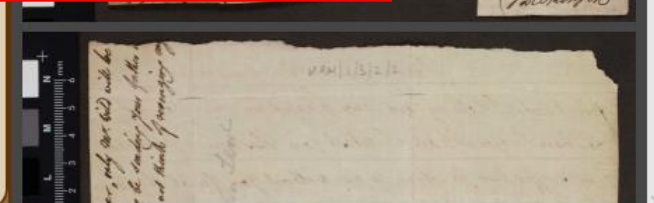
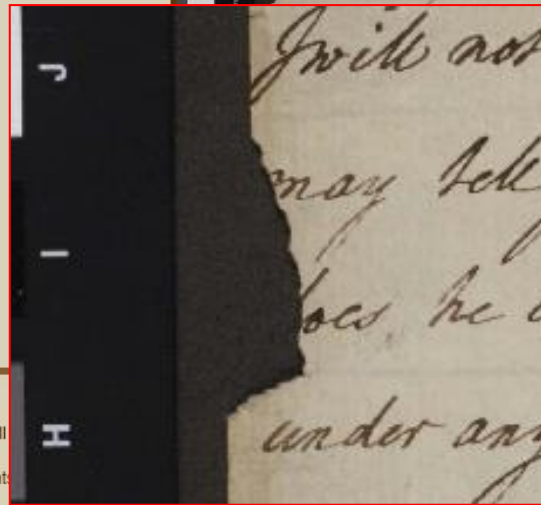
Letter from John Dickenson Senior to Mary Hamilton

Text | Metadata

Original (image pdf)

From J Dickenson [Sen](#)^r to M^{rs} Mary Dickenson 1785 July 13
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transfer over to you. Let him complain as much as he chuses.
I will not attend to a Syllable of what he says -- perhaps he
may tell you I want you to come into the Country -- if he
[\[d\]oes](#) he is mistaken, for I will never lay ^{Dear} Mary [Hamilton](#)
under [\[Supplied 'd' \(damage\)\]](#) if not but we shall be glad to
see [\[Supplied 'd' \(damage\)\]](#) it is perfectly agreeable. In case
I should take it into my Head to disinherit Mr [JD](#) you shall
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Day you have been married a whole month -- God help you,
for I see you stand little chance of running away with the Fitch
of Bacon. I shall ever be Dear Mary [HD](#) [\[redacted\]](#) affectionate
[J](#) Dickenson

[\[redacted\]](#) for their money -- It was only yesterday I came to the
knowledge of [his](#) [these](#) matters ^{when} I lost no time in sounding the Alarm. Tell
M^r. [D](#) that M^r. Wild the agent is in advance 570£ M^r Cooper of London
acts for the annual [\[ants\]](#) & is sending down Executions to secure the Rent.
we shall soon let them [\[redacted\]](#)
now approve of what I [w^d](#) have had done last Year, only M^r. Wild will be [\[redacted\]](#)
It is not unlikely but General Birch may be sending your Father [\[redacted\]](#)
other world, & all I desire is that your friend may not think of revenging my [\[redacted\]](#)



(hover over blue text for clarification)

Website 2017-

- Sept 2017 redesign by Jim McGrath
(Research Software Engineer, IT Services)
- Letters display more readable and responsive
- 1-3 panels, depending on screen width

Website Sept 2017

[x] Back to Table of Texts

HAM/1/3/2/2

Letter from John Dickenson Senior to Mary Hamilton

Text | Metadata

Diplomatic Transcription

NB From J Dickenson **Sen**^r to M^{rs} Mary Dickenson 1785 July 13
I have received a few Lines **wrote** by your
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I will not attend to a Syllable of what he says -- perhaps he
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under any restraint whatever not but we shall be glad to
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for I see you stand little chance of **runing** away with the **NB** Flitch
of Bacon. I shall ever be Dear Mary **HD** affectionate
J Dickenson

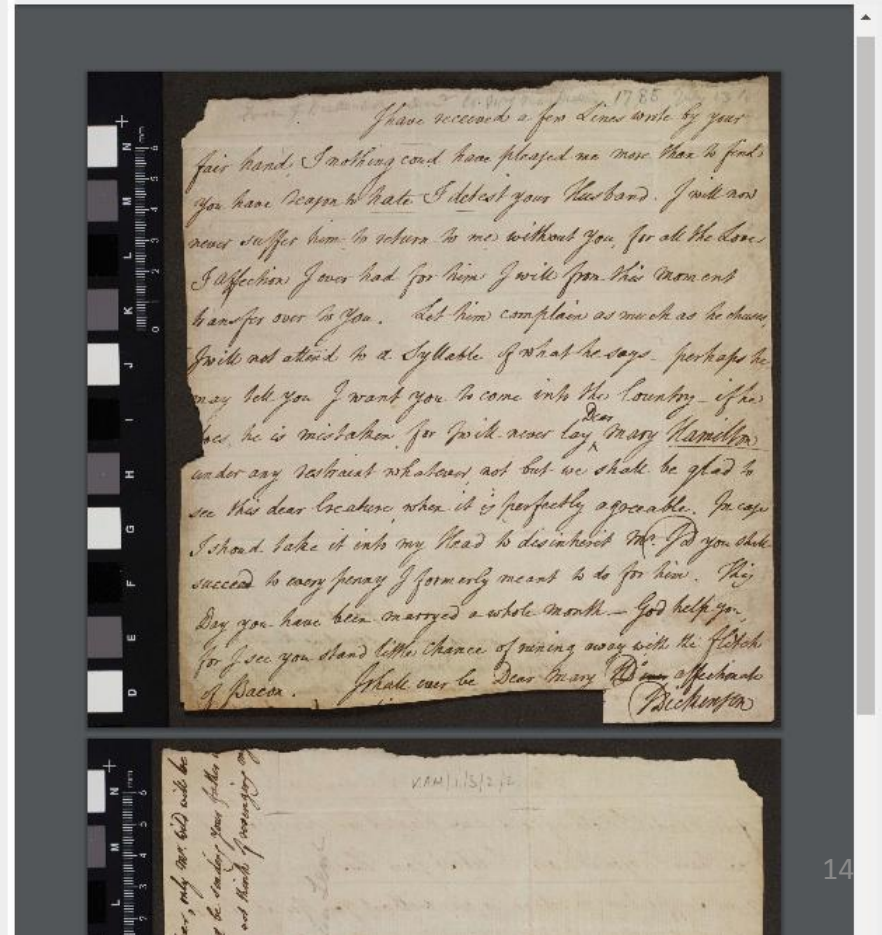
NB for their money -- It was only yesterday I came to the
knowledge of **his**^{these} matters ^{when} I lost no time in sounding the Alarm. Tell
M^r. **D** that M^r. Wild the agent is in advance 570£ M^r Cooper of London
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we shall soon let them

NB now approve of what I **w^d** have had done last Year, only M^r. Wild will be

It is not unlikely but General Birch may be sending your Father
other **world**, & all I desire is that your friend may not think of revenging my

NB

Document Image (pdf)



Mouseover as before

[x] Back to Table of Texts

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Letter from John Dickenson Senior to Mary Hamilton

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& Affection I ever had for him I will from this moment
transfer over to you. Let him complain as much as he **chooses**.
I will not attend to a Syllable of what he says -- perhaps he
may tell you I want you to come into the Country -- if he

Regularised: chooses

[d]oes he is mistaken, for I will never lay Dear Mary Hamilton
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for I see you stand little chance of **running** away with the **NB** Flitch
of Bacon. I shall ever be Dear Mary **HD** affectionate
J Dickenson

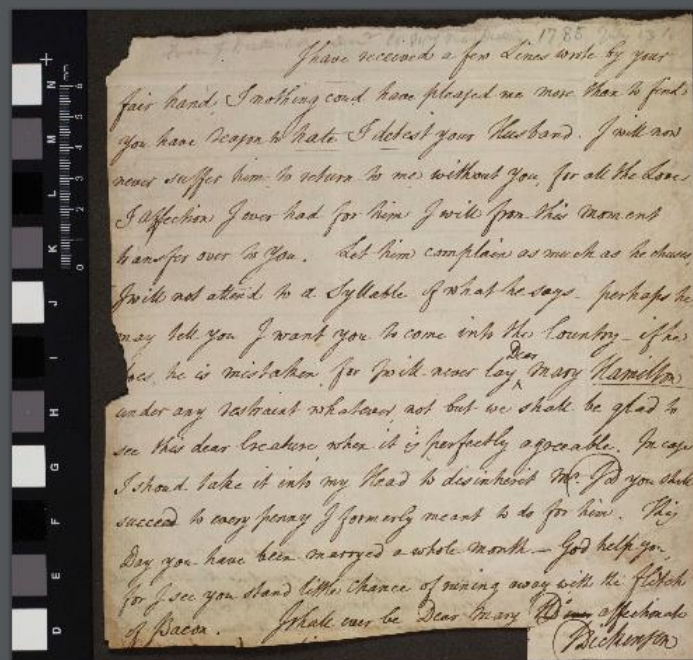
NB for their money -- It was only yesterday I came to the
knowledge of **his** ^{these} matters ^{when} I lost no time in sounding the Alarm. Tell
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Document Image (pdf)



Text clearer

[x] Back to Table of Texts

HAM/1/3/2/2

Letter from John Dickenson Senior to Mary Hamilton

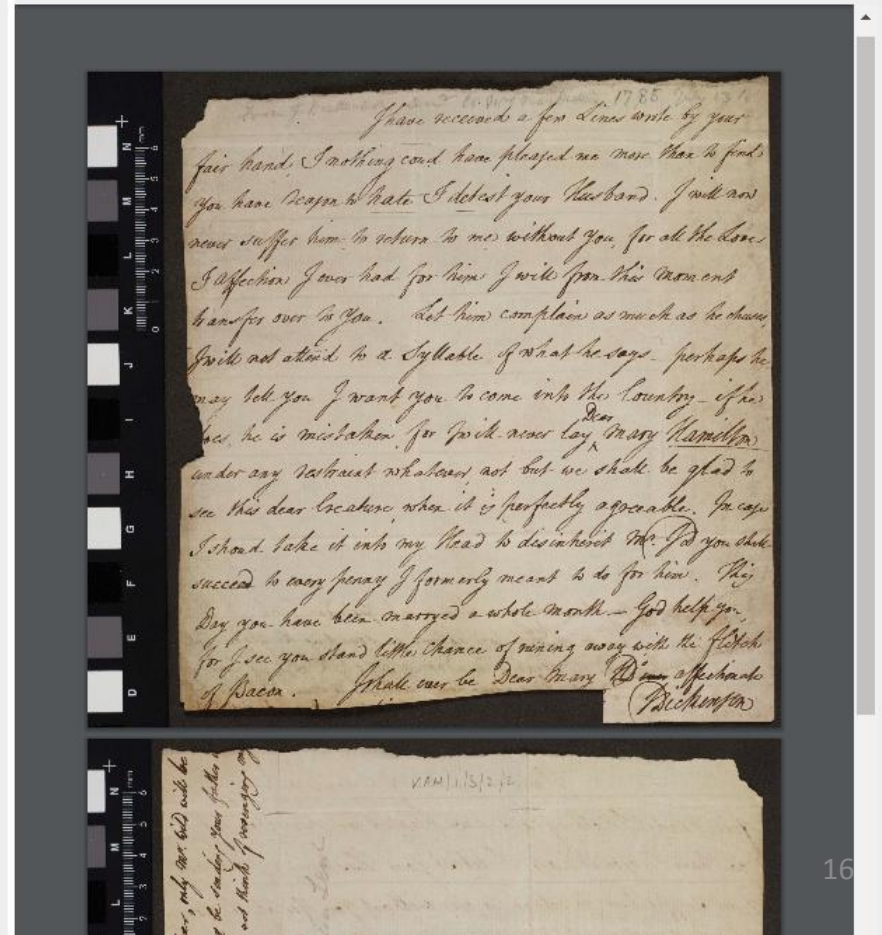
Text | Metadata

Diplomatic Transcription

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we shall soon let them **NB**
NB now approve of what I **w^d** have had done last Year, only M^r. Wild will be **NB**
It is not unlikely but General Birch may be sending your Father **NB**
other **world**, & all I desire is that your friend may not think of revenging my **NB**

Document Image (pdf)



Metadata

[\[x\] Back to Table of Texts](#)

HAM/1/3/2/2

Letter from John Dickenson Senior to Mary Hamilton

[Text](#) | [Metadata](#)

Series title: Correspondence from John Dickenson Sr, Sarah Dickenson and Countess Palombi (1785-1807)

Item title: Letter from John Dickenson Senior to Mary Hamilton

Reference number: HAM/1/3/2/2

Correspondence Details

Author: John Dickenson Sr.

Addressee: Mary Hamilton

Date of the letter: 13 July 1785

Letter Content

Subject(s) covered: Letters. Great Britain--Social life and customs

Time period covered: 18th Century CE

Place(s) covered:

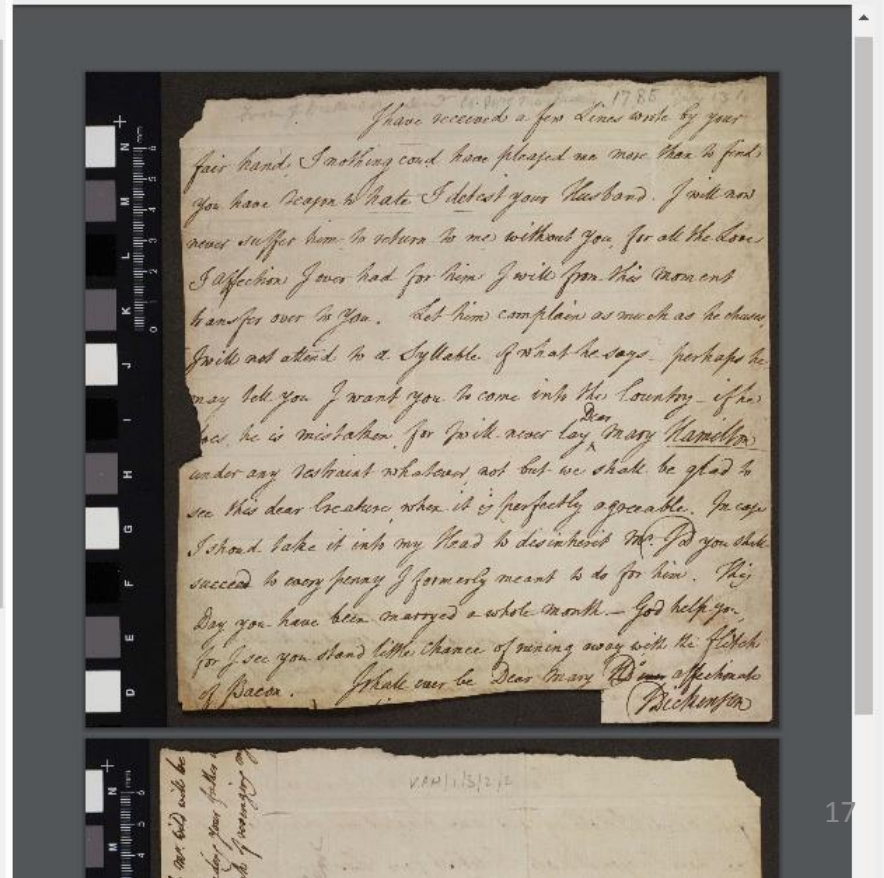
People covered: Hamilton, Mary (1756-1816).

Description: From John Dickenson (Hamilton's father-in-law, 1726-1810). In this light-hearted letter Dickenson writes that it is a month to the day since her marriage 'God help you', and that he now 'detests' her husband and has transferred to her all the affection he once had for him, and 'will not suffer him to return to me without you'. Dickenson continues to note that if he ever considers disinheriting his son, she will be named in his place. The text on the back of the sheet is part of a different letter and relates to rents and mentions a Mr Wild who is an agent.

Length: 1 sheet(s), 305 words

Physical description: The sheet has been cut and part of the heading of the letter

Document Image (pdf)



Website 2017-

- Sept 2017 redesign by Jim McGrath (Research Software Engineer, IT Services)
 - Letters display more readable and responsive
 - 1-3 panels, depending on screen width
-
- Nov 2017 Added normalised transliteration
 - Fewer pop-ups, no text change on mouseover
 - 1-4 panels, depending on screen width

Website Nov 2017

[\[x\] Back to Table of Texts](#)

HAM/1/3/2/2

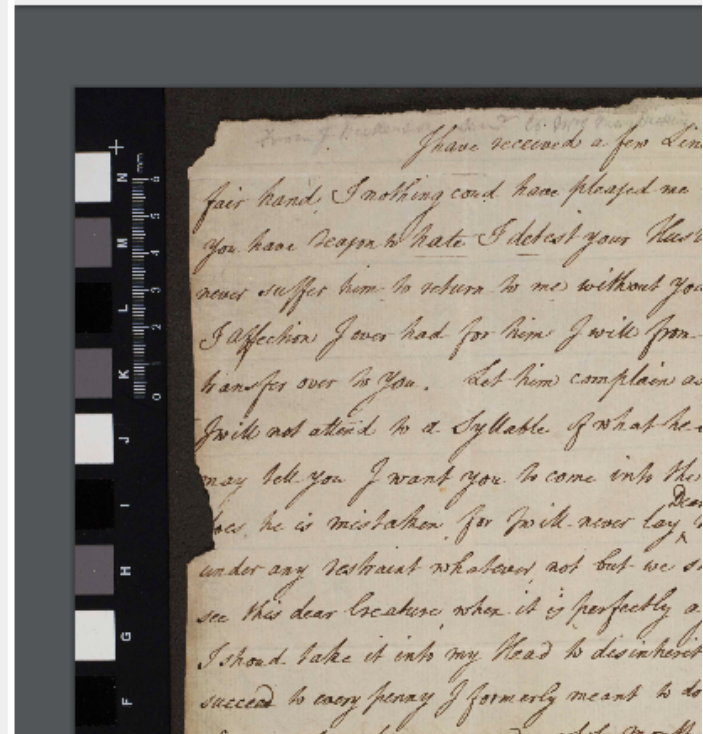
Letter from John Dickenson Senior to Mary Hamilton

[diplomatic](#) | [normalised](#) | [metadata](#)

Diplomatic Text

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for I see you stand little chance of [runing](#) away with the [NB](#) Flitch
of Bacon. I shall ever be Dear Mary [HD](#) [\[redacted\]](#) affectionate
[J](#) Dickenfon

Document Image (pdf)



Desiderata

- Server-side, not client-side, processing ✓ soon
- Search engine ✓ when?
- Better image viewer for image PDFs × prob. not
 - not, as now, dependent on browser
 - contrast adjustment as well as zoom
- TIFFs direct from Preservica (Library archival software), with fancy controls Cambridge Digital Library software?
- ?Cursor position on image selects text × not worth the coding investment
 - need more mark-up, coordinates, etc.

CODING OF TEI/XML FILES

Text Encoding Initiative in 2013

<fileDesc>

<titleStmt> ...

<title>Letter from John Dickenson to Mary Hamilton</title>

<author>

<name>Dickenson, John</name> ...

</author>

</titleStmt> ...

</fileDesc>

... [over 130 lines of header separate author and recipient]

<profileDesc> ...

<particDesc> ...

<name>Hamilton, Mary</name> ...

</particDesc>

</profileDesc>

TEI P5 now

<correspDesc>

<correspAction type="sent">

<persName ref="JD">Dickenson, John</persName>

<placeName>Wellington</placeName>

<date when="1813-08-31">31 August 1813</date>

</correspAction>

<correspAction type="received">

<persName ref="MH">Hamilton, Mary</persName>

<placeName>London</placeName>

</correspAction>

</correspDesc> ...

oXygen

- Purchased 2012 for another project.
- vsn 14.2 can't validate our namespace.



- **Site licence essential!**

INTERCHANGEABILITY OF DATA

Persons database (“personography”)

- Move biographical info into master Excel file.
 - Names, title(s), life dates, place(s) of residence, relation to Mary Hamilton, ?other network relations.
 - Convert periodically to TEI file online
- Use TEI file for searches, notes, pop-ups.
- Enable search engine to distinguish
 - (i) authors, (ii) recipients, (iii) mentions in body of letter or PS, (iv) mentions in <closer>

Standard IDs for persons

- Cross-reference for external searches
- CMIF = Correspondence Metadata Interchange Format

<http://correspsearch.net/>

– prefers ‘authority[-]controlled IDs’

- VIAF = Virtual International Authority File

<https://viaf.org/>

– UK national libraries go under Library of Congress

Authority record for MH

[The Library of Congress](#)

[Go to Library of Congress Online Catalog](#)



LIBRARY OF CONGRESS AUTHORITIES



Help	New Search	Search History	Headings List	Start Over
Previous		Next		
MARC Display		Labelled Display		

LC control no.: no2008175718

LCCN Permalink: <https://lccn.loc.gov/no2008175718>

HEADING: Hamilton, Mary, 1756-1816

000 00809nz a2200181n 450

001 7727229

005 20081127071030.0

008 081126n| acannaabn |a aaa c

010 __ |a no2008175718

035 __ |a (OCoLC)oca07949164

040 __ |a DfO |b eng |c DfO

100 1_ |a Hamilton, Mary, |d 1756-1816

400 1_ |a Dickenson, Mary, |d 1756-1816

400 1_ |a Dickenson, |c Mrs. |q (Mary), |d 1756-1816

400 1_ |a Dickenson, John |c Mrs., |d 1756-1816

670 __ |a Autograph letter signed from Hannah More, Barley Wood, to Mrs. Garrick, Adelphi Terrace, [1816] July 29 |b (Mrs. Dickenson)

670 __ |a Oxford DNB, [via www, 2008 October 7] |b (Hamilton [married name Dickenson], Mary (1756-1816), courtier and diarist)

670 __ |a OCLC, [2008 November 25] |b (hdg: Dickenson, Mary Hamilton, 1756-1816; usage: Mary Hamilton; Mrs. John Dickenson)

[Previous](#) [Next](#)

Save, Print or Email Records (View Help)	
Select Download Format: <input type="text" value="Text (Labelled Display)"/>	<input type="button" value="Press to SAVE or PRINT"/>
Email Text (Labelled Display) to:	
<input type="text"/>	<input type="button" value="Press to SEND EMAIL"/>

[Help](#) - [Search](#) - [Search History](#) - [Headings List](#) - [Start Over](#)

Other databases?

- ELGAR, Preservica
 - coordinate with Rylands
- EMLO/Cultures of Knowledge
 - but ends at 1750
- CCEd database of clergy
 - relevant to a few personages
- other dbs/indexes/registers?
 - future Linked Data project so individual projects can share biographical data, references, searches

COVERAGE AND EDITING PRACTICE

Not just John Rylands holdings?

- Incorporate other Hamilton material in edition
 - tracking down holdings
 - getting permissions
 - costs
 - technical issues, e.g. whether we can display images stored in other repositories
- British Library, Royal Archives[✓], Harvard, Yale, Lancashire Archives[✓]
 - NY Public Library, Vassar, Shakespeare Folger, Stanford, Pierpont Morgan (≤2 each)

Nature of edition

- Faithful rendition (spelling, abbreviation, etc.)

Faithful rendition of original

I **supose** in my next I may give you joy of a new
cousin as her Graces **apearance** would make me **supose**
its arrival not far off -- I have settled it to be a son
there is daughters plenty and Dukes should have but few
as it is so hard to provide for them. My Sister & good husband
joyn with me in best wishes to yourself **beging** best **compts**
to M^r. Dickenson & remain Dear M^{rs}. Dickenson
sincere and affectionate Friend
Wilhelmina Murray

at least 12 **Kifses** to **y^r**. Louisa

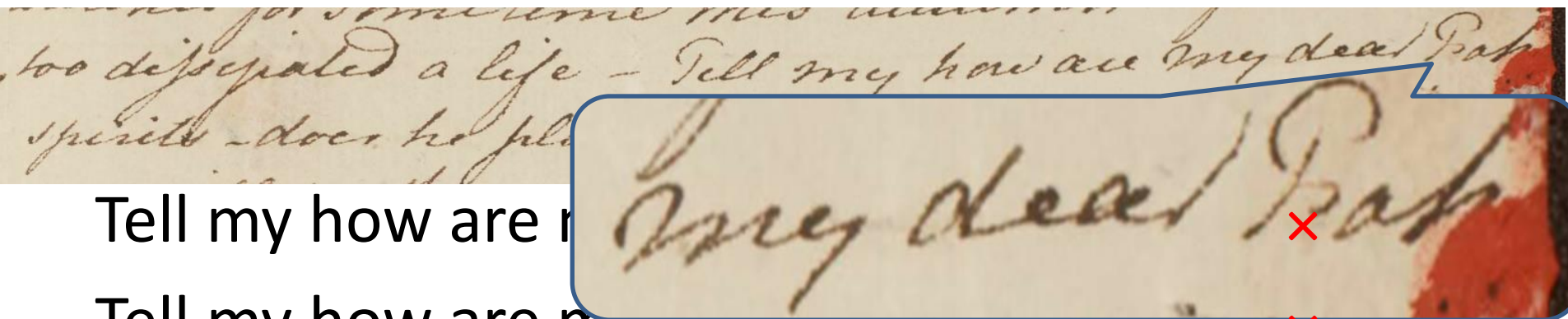
long-s used almost invariably in doubled letter:
Kifses, Businefs, lefs, pafsed

Nature of edition

- Faithful rendition (spelling, abbreviation, etc.)
- Where missing text beyond doubt, use <supplied> tag – but sometimes disagree on appropriateness.

Supply missing text?

who wrote to Sir J. the next day that he should
not visit him any more (HAM/1/2/48) × (note instead)



Tell my how are my dear Pat

Tell my how are my dear Fathers spirits ×

Tell my how are my dear Fat<gap> spirits ✓ (+note)
(HAM/1/15/1/18)

Nature of edition

- Faithful rendition (spelling, abbreviation, etc.)
- Where missing text beyond doubt, use <supplied> tag – but sometimes disagree on appropriateness.
- Move insertions and interruptions to make text logically continuous. Consistent approach but not strictly diplomatic edition.

upon this the Swedes took the horses to register when they had fed both parties
they returned in time to take their Master home who wrote to D. F. the next
day that he should visit them any more — The road turned about half the town
of Topsham & we rode thence the town & had great difficulty to keep our horses
the right side up & when we got out of this dread full place we rode
one way again — We did at last get to the mouth from whence the sea is the
fairest view of place land that can be imagined — The sea as we viewed with
small craft & across the land we seen Lord Deane's fine place Marmora
& Powderham Castle — The weather was belong to it as well to be enjoyed
in November —

100
1013
Tanglefoot
Mr. Dickerson
Second Pine Place
London

Present my dutiful Love to Ly Cecilia & Comp^s
to M^{rs}. Johnston

Tuesday 10 Clock - I must have all yesterday for this letter - At 10 we went to
 the Cathedral - as soon as the Bishop came we heard him sing the choiristers
 for the youth who were playing the Organ. I saw a pair of the same kind of organ
 found in factum & after wards he spoke to him in presence to his singing on the same
 before he had a word the concluding Ode - I saw perfectly understood with
 the cathos - his voice is the finest I ever heard & the Organ is not heard the
 ground & it is not the pipe being 2 I rather in some of the same as the Organ
 at Ulster - We stood up to the house to hear the beginning of the service at 10
 Monday - The Bishop came in & was very kindly asked our heads of the Cathedral
 I said I was delighted to be present on this occasion & so on & so on & so on & so on
 and he heard of it in London as soon as he was in & I saw that it should not
 be a letter to him - he was very kindly asked to be played & the Ode very that night

Single Sheet

To
Mr^s. Dickenson
32 Devonshire Place
London

Nature of edition

- Faithful rendition (spelling, abbreviation, etc.)
- Where missing text beyond doubt, use <supplied> tag – but sometimes disagree on appropriateness.
- Move insertions and interruptions to make text logically continuous. Consistent approach but not strictly diplomatic edition.
- Part-of-speech (POS) tagging works better with normalised spelling and morphology and expanded abbreviations
 - so can offer normalised text as well.


Diplomatic

From J Dickenson Sen^r to M^{rs} Mary Dickenson 1785 July 13

I have received a few Lines wrote by your
fair hand & nothing coud have pleafed me more than to find
you have reaſon to hate & deteſt your Husband. I will now
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I will not attend to a Syllable of what he ſays -- perhaps he
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I ſhoud take it into my Head to diſinherit Mr JD you ſhall
ſucceed to every penny I formerly meant to do for him. Thiſ
Day you have been marryed a whole month -- God help you,
for I ſee you ſtand little chance of runing away with the Flitch
of Bacon. I ſhall ever be Dear Mary HD [REDACTED] affectionate

J Dickenſon

Normalised

From John Dickenson Senior to Mrs Mary Dickenson 1785 July 13
I have received a few Lines written by your
fair hand & nothing could have pleased me more than to find
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Day you have been married a whole month -- God help you,
for I see you stand little chance of running away with the Flitch
of Bacon. I shall ever be Dear Mary Hamilton Dickenson  affectionate
John Dickenson

Normalisation

- Use of possessive apostrophes?
- Verb forms like *attach'd*?
 - so far No
- Personal names and placenames?
 - Cholmondely, Elisabeth, Octavious, Vesey, etc.
 - Surry, Harrowgate, Teignmouth, etc.
 - Brighthelmston (= Brighton)
 - so far Yes

Just an edition?

- Would facilitate research in various fields.
 - Articles on Bluestockings, etc.
 - Postdoc project (Zurich) on self-corrections by MH
 - PhD 2018 (York, history of art), 2 chapters on MH
 - PhD planned (Vigo, English) on social network analysis and historical sociopragmatics
- Project investigators have own research concerns – linguistic, literary, historical.
- Current funding regime probably not sympathetic to “mere” resource creation.

Last slide

- Thanks as usual to Nuria Yáñez-Bouza
- Thanks to Jim McGrath (& Louise Lever) for website help
- Comments, suggestions very welcome
 - now
 - in future!

www.projects.alc.manchester.ac.uk/image-to-text/

[website address may change]