

# Zoning Tabular Documents

Heath Nielson and William Barrett

# Motivation

- Move granularity of indexing from image level to field level
  - Search or browse through fields rather than images
- Let the computer perform the repetitive task of finding regions within a document and determining content of those regions

Page	File Number	Subject	Date	Initials	Signature	Remarks
1	100-100000	...	...	...	...	...
2	100-100000	...	...	...	...	...
3	100-100000	...	...	...	...	...
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51	100-100000	...	...	...	...	...
52	100-100000	...	...	...	...	...
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55	100-100000	...	...	...	...	...
56	100-100000	...	...	...	...	...
57	100-100000	...	...	...	...	...
58	100-100000	...	...	...	...	...
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63	100-100000	...	...	...	...	...
64	100-100000	...	...	...	...	...
65	100-100000	...	...	...	...	...
66	100-100000	...	...	...	...	...
6						

PUBLIC RECORD OFFICE						Reference:-	COPYRIGHT PHOTOGRAPH - NOT TO BE REPRODUCED PHOTOGRAPHICALLY WITH- OUT PERMISSION OF THE PUBLIC RECORD OFFICE, LONDON
1	2	3	4	5	6	RG 11/2072.	

Page	Date	Name	Address	City	State	Zip
100	1968-1970	John Doe	123 Main St.	New York	NY	10001
101	1971-1973	Jane Smith	456 Elm St.	Los Angeles	CA	90001
102	1974-1976	Bob Johnson	789 Oak St.	Chicago	IL	60601
103	1977-1979	Alice Brown	101 Pine St.	Houston	TX	77001
104	1980-1982	Charlie White	202 Cedar St.	Phoenix	AZ	85001
105	1983-1985	Diana Green	303 Birch St.	San Francisco	CA	94101
106	1986-1988	Eve Black	404 Maple St.	Boston	MA	02101
107	1989-1991	Frank Gray	505 Walnut St.	Seattle	WA	98101
108	1992-1994	Grace Hall	606 Spruce St.	Portland	OR	97201
109	1995-1997	Henry King	707 Ash St.	San Diego	CA	92101
110	1998-2000	Ivy Lee	808 Hickory St.	Denver	CO	80201
111	2001-2003	Jack Miller	909 Poplar St.	Nashville	TN	37201
112	2004-2006	Karen Wilson	1010 Sycamore St.	Indianapolis	IN	46201
113	2007-2009	Liam Taylor	1111 Chestnut St.	Columbus	OH	43201
114	2010-2012	Mia Adams	1212 Locust St.	San Antonio	TX	78201
115	2013-2015	Noah Baker	1313 Olive St.	Fort Worth	TX	76101
116	2016-2018	Olivia Clark	1414 Elm St.	Oakland	CA	94601
117	2019-2021	Peter Evans	1515 Maple St.	Minneapolis	MN	55401
118	2022-Present	Quinn Foster	1616 Birch St.	San Jose	CA	95101

Ellen Do.

[illegible]

Michael Morrison  
Mary J. Do.  
Ellen Do.

Ellen

# Zoning Tabular Documents

No. of Schedule	ROAD, STREET, &c., and No. or NAME of HOUSE	HOUSES		NAME and Surname of each Person	RELATION to Head of Family	CON- DITION as to Marriage	AGE last Birthday of		Rank, Profession, or OCCUPATION	WHERE BORN	If (1) Deaf-and-Dumb (2) Blind (3) Imbecile or Idiot (4) Lunatic
		In- habit- ed	Unin- habited (U). or Building (B.)				Males	Females			
28	15 Church St.	1		Ann Grant	Head	W		50	Anniutant	Salisbury	
				Margaret Grant	Dau	Unm		22	Domestic Servant	Kent	
				Annie Grant	Dau	Unm		18	do. do.	Salisbury	
				Austin Grant	Son	Unm	20		Hawker	Kent	
29	72 Salt Lane	1		Emily Morgan	Head	W		34	Shopkeeper	Norfolk, Norwich	
				Alfred Morgan	Son	Umn	12		Scholar	Andover	
				Hubert Morgan	Son	Umn	9		do.	do.	
				Walter Morgan	Son	Umn	7		do.	do.	
				Emily Morgan	Dau	Umn		4	do.	do.	

# Profiles

- Horizontal profile  $p_h(y) = \sum_{i=0}^M image(i, y)$
- Vertical profile  $p_v(x) = \sum_{i=0}^N image(x, i)$

The undermentioned House are situate within the Boundaries of the

18

Civil Parish (or Townships)		City or Municipal Borough of	Municipal Ward of	Parliamentary Borough of	Town or Village or Hamlet of	Urban Sanitary District of	Rural Sanitary District of	Electoral District of
St. Mary		St. Mary	St. Mary	St. Mary	St. Mary	St. Mary	St. Mary	St. Mary
No. of House	ROAD, STREET, &c. and No. or NAME of HOUSE	NAME and Surname of each Person	RELATION to Head of Family	SEX	AGE last Birthday or to Marriage	RANK, Profession, or OCCUPATION	WHERE BORN	IF (1) Dead (2) Deaf (3) Blind (4) Lunatic
1	7, Charlotte St. ("Diana's House")	Michael Morrison	Head	Male	31	Domestic Duties	St. Mary's, St. Mary	
		Mary J. St.	Wife	Female	29		St. Mary's, St. Mary	
		John St.	Son	Male	7		St. Mary's, St. Mary	
		Elizabeth Morrison	Daughter	Female	58	Assistant	St. Mary's, St. Mary	
		John St.	Son	Male	25	General Serv.	St. Mary's, St. Mary	
		Elizabeth Lloyd	Son	Male	26	Barmaid	St. Mary's, St. Mary	
2	8, Charlotte St.	Charles St.	Head	Male	39	Genl. (master, employing 2 men)	St. Mary's, St. Mary	
		Emma St.	Wife	Female	36		St. Mary's, St. Mary	
		William St.	Son	Male	12	Stable	St. Mary's, St. Mary	
		Henrietta St.	Daughter	Female	9		St. Mary's, St. Mary	
		George St.	Stepson	Male	19	Genl. & Stepson	St. Mary's, St. Mary	
		John St.	Son	Male	22	General Serv.	St. Mary's, St. Mary	
3		James F. Phillips	Head	Male	31	Charles's Clerk	St. Mary's, St. Mary	
		Harriet St.	Wife	Female	29		St. Mary's, St. Mary	
		Stephen White	Son	Male	16	General Serv.	St. Mary's, St. Mary	
4	9, St.							
5	1, Old Lane	William Thompson	Head	Male	72	Cashier	St. Mary's, St. Mary	
		Anna St.	Wife	Female	69		St. Mary's, St. Mary	
6	2, Old Lane	Thomas Johnson	Head	Male	65	Retired Genl.	St. Mary's, St. Mary	
		Henry Johnson	Son	Male	39	Carpenter	St. Mary's, St. Mary	
		Emma St.	Wife	Female	31	Housewife	St. Mary's, St. Mary	
		John Johnson	Apprentice	Male	18	Housewife (Apprentice)	St. Mary's, St. Mary	
7	St.	Walter Campbell	Son	Male	25	Ship Carpenter (not of employ)	St. Mary's, St. Mary	
Total of Houses...		Total of Males and Females...						

PUBLIC RECORD OFFICE									
1	2	3	4	5	6	7	8	9	10

Reference:-

RG 11/2072.

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# Matched Filter

## Creation

- Get 3 samples from the profile containing the highest “peak”
- Determine the number of points on either side of the “peak” to establish the size of the filter
- Set the value at each point in the filter to the average value from the corresponding points in the 3 samples
- Compute the average value from each of the filter’s points and subtract that amount from each point in the filter

The undermentioned Houses are situate within the Boundaries of the

[illegible]

PUBLIC RECORDS OFFICE					
1	2	3	4	5	6

*Reformatted*

RG 11/2072

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RECORDS OFFICE, LONDON

# Geometric Layout

The subterranean houses are shown within the boundaries of the									
First Period (archaeological)		Second Period (archaeological)		Third Period (archaeological)		Fourth Period (archaeological)		Fifth Period (archaeological)	
No. of houses	Name of house	No. of houses	Name of house	No. of houses	Name of house	No. of houses	Name of house	No. of houses	Name of house
1	House 1	1	House 2	1	House 3	1	House 4	1	House 5
2	House 6	2	House 7	2	House 8	2	House 9	2	House 10
3	House 11	3	House 12	3	House 13	3	House 14	3	House 15
4	House 16	4	House 17	4	House 18	4	House 19	4	House 20
5	House 21	5	House 22	5	House 23	5	House 24	5	House 25
6	House 26	6	House 27	6	House 28	6	House 29	6	House 30
7	House 31	7	House 32	7	House 33	7	House 34	7	House 35
8	House 36	8	House 37	8	House 38	8	House 39	8	House 40
9	House 41	9	House 42	9	House 43	9	House 44	9	House 45
10	House 46	10	House 47	10	House 48	10	House 49	10	House 50
11	House 51	11	House 52	11	House 53	11	House 54	11	House 55
12	House 56	12	House 57	12	House 58	12	House 59	12	House 60
13	House 61	13	House 62	13	House 63	13	House 64	13	House 65
14	House 66	14	House 67	14	House 68	14	House 69	14	House 70
15	House 71	15	House 72	15	House 73	15	House 74	15	House 75
16	House 76	16	House 77	16	House 78	16	House 79	16	House 80
17	House 81	17	House 82	17	House 83	17	House 84	17	House 85
18	House 86	18	House 87	18	House 88	18	House 89	18	House 90
19	House 91	19	House 92	19	House 93	19	House 94	19	House 95
20	House 96	20	House 97	20	House 98	20	House 99	20	House 100

Notes:—Draw to plan through each of the north of the buildings as an appropriate

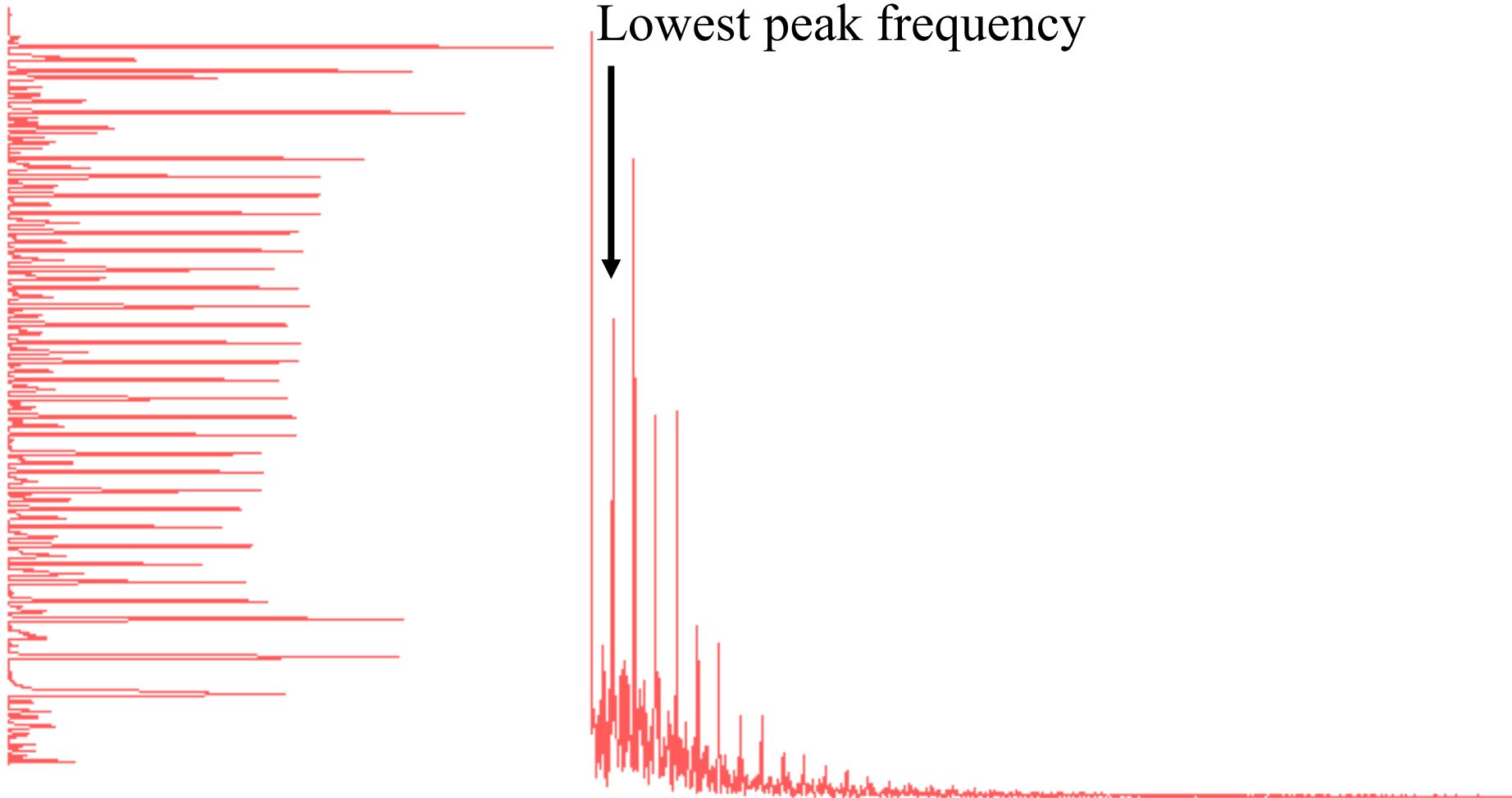
Exp. Sheet G.

- Split the document into its component parts, representing similar geometric layouts:
  - Header
  - Body
  - Footer

# Body Identification

- Exploit the periodicity of the rows
- Compute  $P_h(s) = \Im(p_h(y))$
- Identify first peak (lowest frequency)
- Compute  $w = ps / f$
- Identify lines using the 2-prong probe

# Body Identification

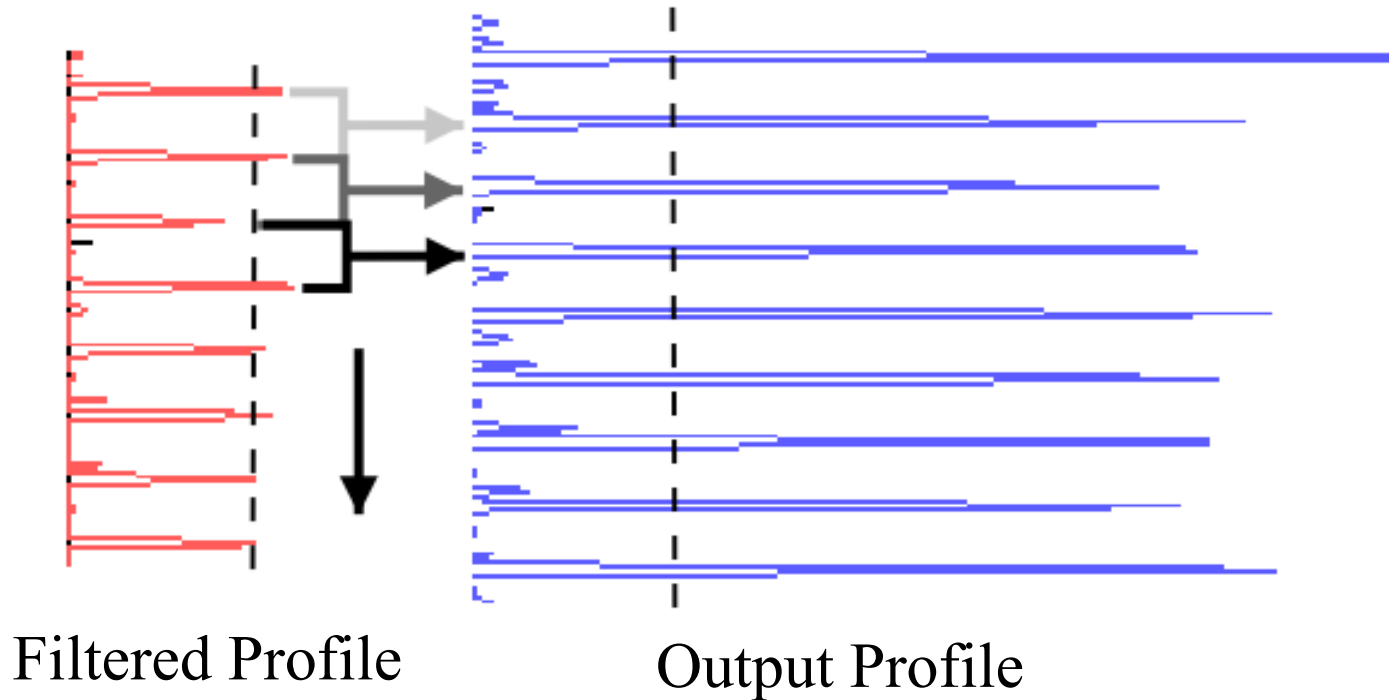


Horizontal Profile

Amplitude Spectrum

# Body Identification

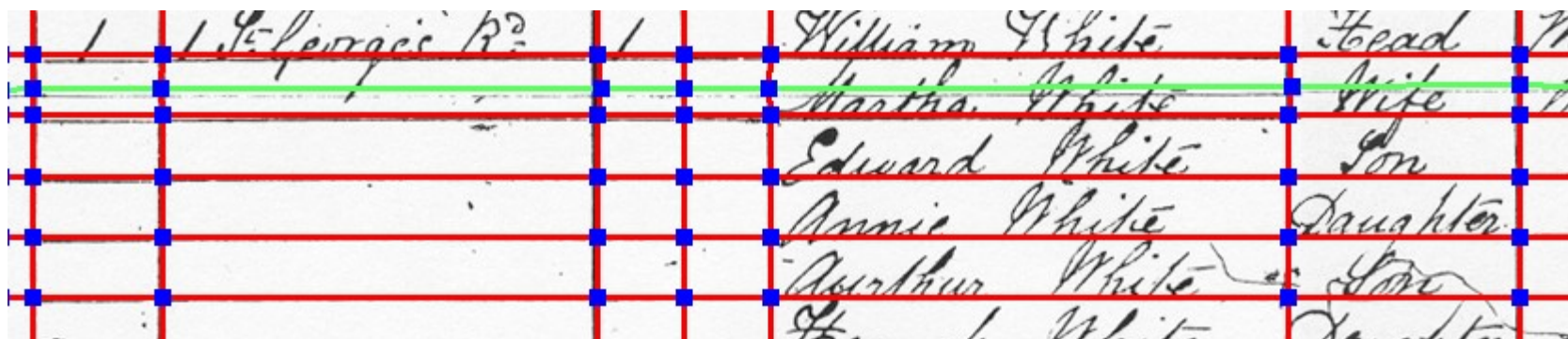
## 2-Prong Probe



$$C(i) = \sum_{j=i-\delta}^{i+\delta} p_h(j) + \sum_{j=i-\delta}^{i+\delta} p_h(j-w)$$

# Body Line Classification

## Intra-document Consensus



1	1. George R?	1	William White	Head	M
			Martha White	Wife	M
			Edward White	Son	
			Annie White	Daughter	
			Arthur White	Son	
			H. L. White	Daughter	

Row Candidates

Green row identified as false positive



# Initial Pass

Page 2]

The undermentioned Houses are situate within the Boundaries of the

Civil Parish (or Township) of Edmund City or Municipal Borough of Salisbury Municipal Ward of Edmund Parliamentary Borough of Salisbury Town or Village or Hamlet of Salisbury Urban Sanitary District of Salisbury Rural Sanitary District of Salisbury Ecclesiastical Parish or District of Salisbury

No. of Schedule	ROAD, STREET, &c., and No. or NAME of HOUSE	HOUSES In- habited (U.), or Building (B)	NAME and Surname of each Person	RELATION to Head of Family	CON- DITION as to Marriage	AGE last Birthday of Male Female	Rank, Profession, or OCCUPATION	WHERE BORN	(1) Deaf-and-Dumb (2) Blind (3) Imbecile or Idiot (4) Lunatic
8 (belated)	11th								
9	30 Bricklayers	1	Charles Lollarway	Head	Mar	45	Iron Keeper	Hants. Basingstoke	
	Crash House in		Deborah H. d.	Wife	Mar	40	Assist. Ld. Weaver	Dorset. P. Marshalls	
			Edgar d.	Son	Unm	20	d. d. J.	Wilt. Salisbury	
			Constance d.	Son	Unm	18	d. d. J.	d. d.	
			William d.	Son	Unm	17	J. S. d. d.	d. d.	
			Frances d.	Son	Unm	16	J. S. d. d.	d. d.	
			William Gale	Son	Unm	14	J. S. d. d.	d. d.	
10	41 Do	1	John John	Head	Mar	45	General Agent	d. Salisbury	
			Elizabeth d.	Son	Unm	5	d. d.	d. d.	
			Thomas d.	Son	Unm	2	d. d.	d. d.	
			Margaret Maynard	Son	Unm	1	Def. General	Dorset. Charlton Marshall	
11	42 Do	1	John Hart	Head	Mar	45	Def. General	Stoke New	
			Elizabeth Hart	Wife	Mar	43	Def. General	Gloucester	
			William Hart	Son	Unm	12	Def. General	Shillingstone	
12	45 Do	1	Charles Foreman	Head	Mar	38	Schoolmaster	Wilt. Marlinton	
			John Mary d.	Wife	Mar	30	d. d.	Conton	
			Thomas Ch. d.	Son	Unm	12	James Phipps	Dorset. Hemington	
			John Mary d.	Son	Unm	12	d. d.	Wilt. Salisbury	
			Isabel d. d.	d. d.	d.	10	d. d.	d. d.	
			Blanche d.	Son	Unm	8	d. d.	d. d.	
			Georgina d.	Son	Unm	7	d. d.	d. d.	
			Isabel d.	Son	Unm	7	d. d.	d. d.	
			Louisa d.	Son	Unm	6	d. d.	d. d.	
Total of Houses		4	Total of Males and Females		9				

Note — Draw the pen through such of the words of the headings as are inappropriate.



# Image “Snapping”

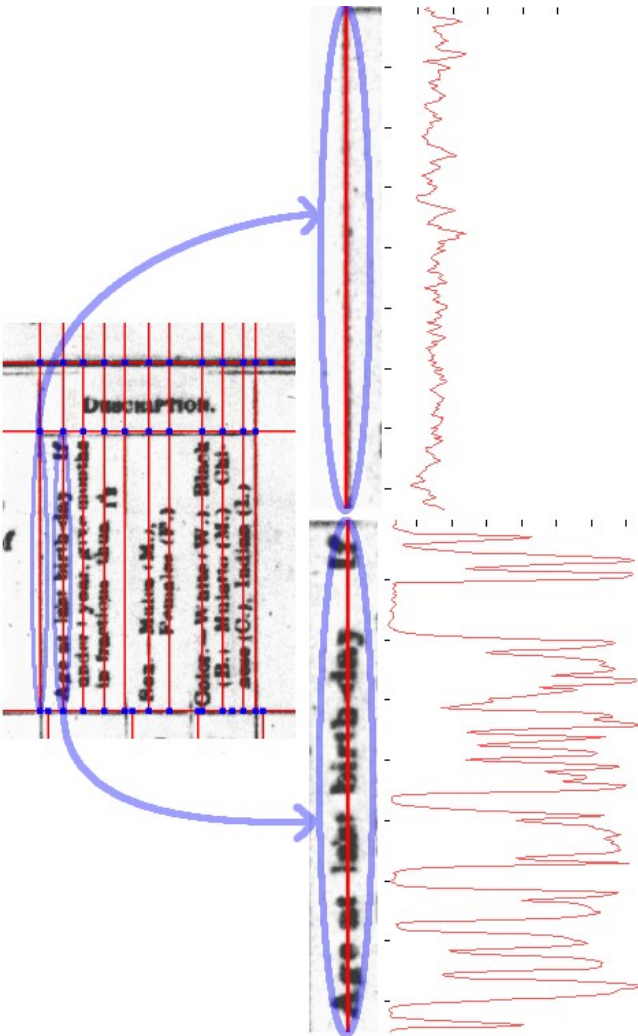
- For each line segment in a row or column
  - Generate a profile over the segment’s area
  - Calculate line strength  $ls_l(i) = \frac{1}{|i - gp| + 1} (ls_g) f(i)$
  - “Snap” to the location with the largest value

# Image “Snapping”

9	
	Do.
	Total of Houses...

9	
	Do.
	Total of Houses...

# False Positive Identification



- Generate a profile perpendicular to the line segment
- Line profiles have low variance
- Text profiles have high variance

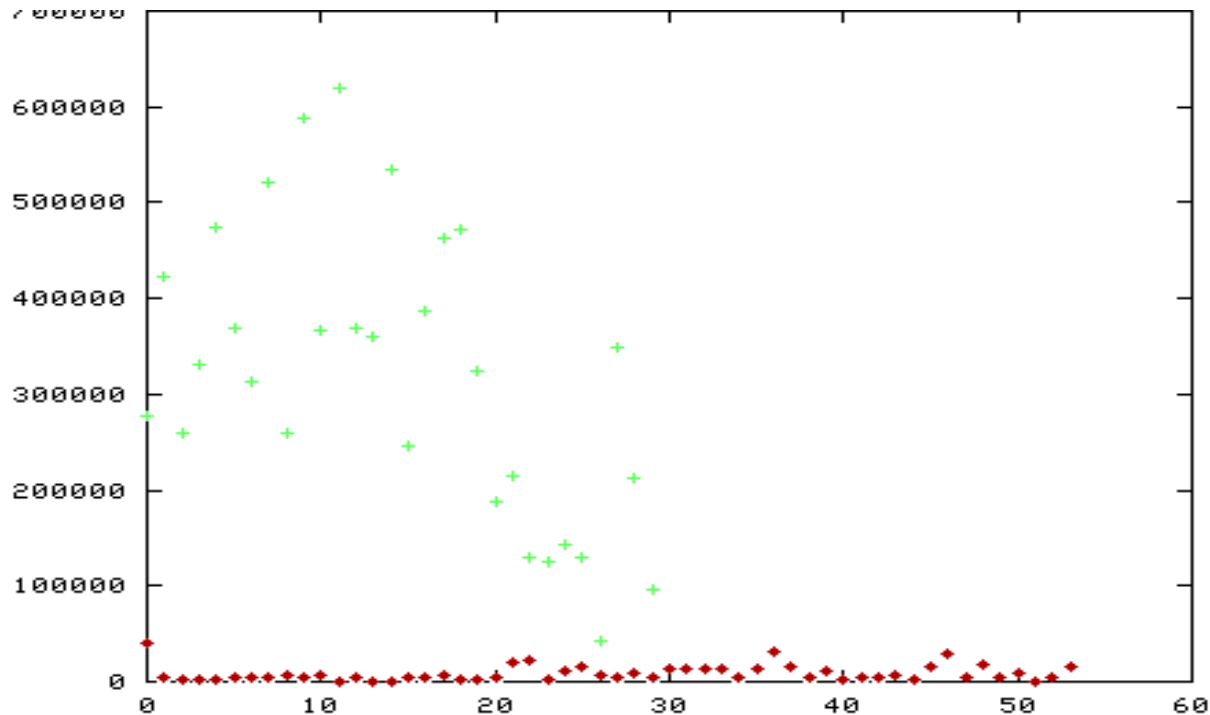
# Edge Variance

Page 2]

The undermentioned Houses are situated within the Boundaries of the

No. of Schedule	ROAD, STREET, &c., and No. or NAME of HOUSE	HOUSES Un- inhab- ited (U), or Building (B)	NAME and Surname of each Person	RELATION to Head of Family	CON- DITION as to Marriage	AGE last Birthday of Male Female	Rank, Profession, or OCCUPATION	WHERE BORN	If (1) Deaf-and-Dumb (2) Blind (3) Imbecile or Idiot (4) Lunatic
8. (Inhabited)	11th St.								

Variance



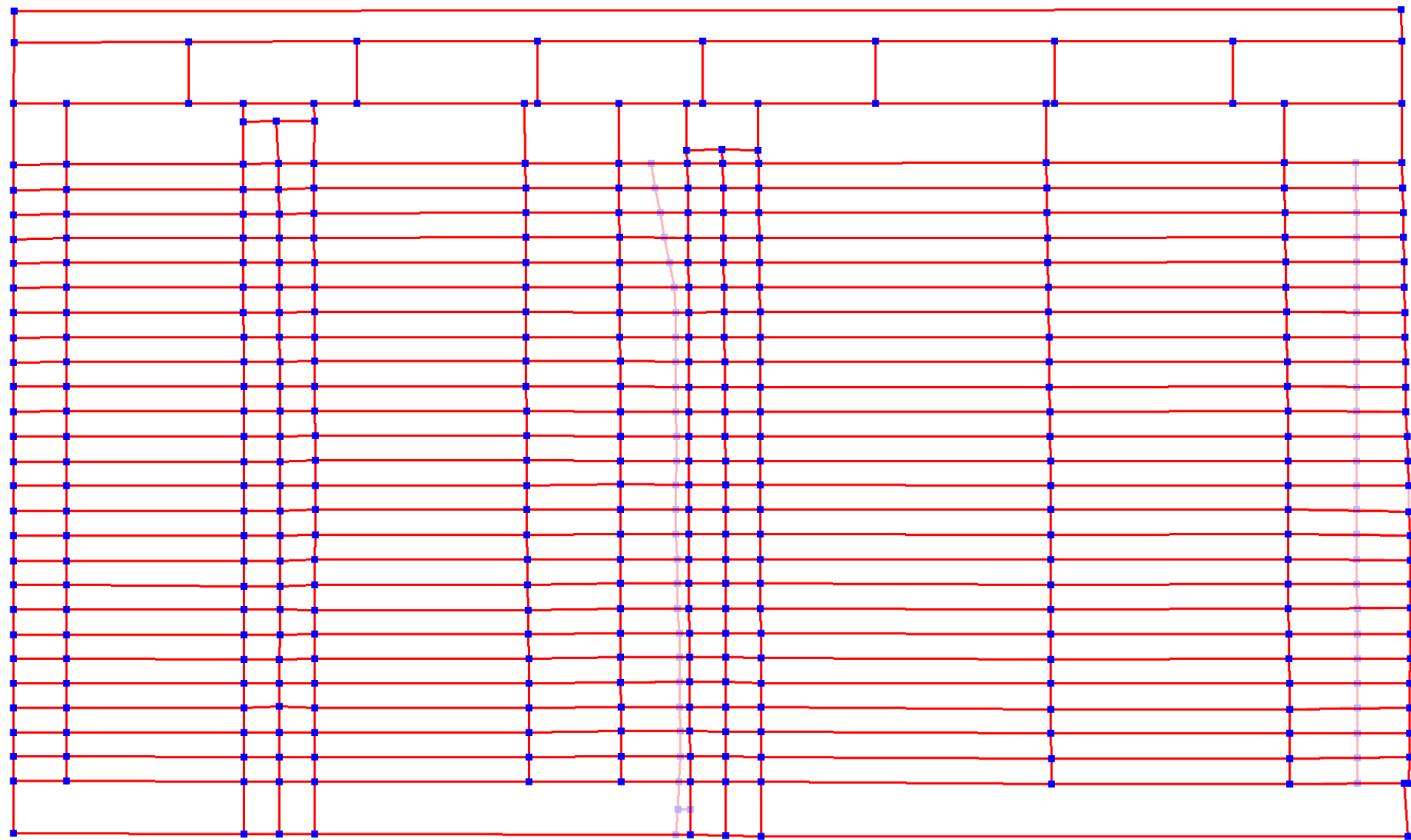
Edges

# Document Template Creation

## Inter-document Consensus

- Combine meshes generated from several documents
- Vote on line positions
- Discard line segments with a low vote count

# Document Templates



# Template to Image Registration

- Identify the document's body within the image
- Position the template to the corresponding location
- Locally snap each line segment to the image



# Template to Image Registration

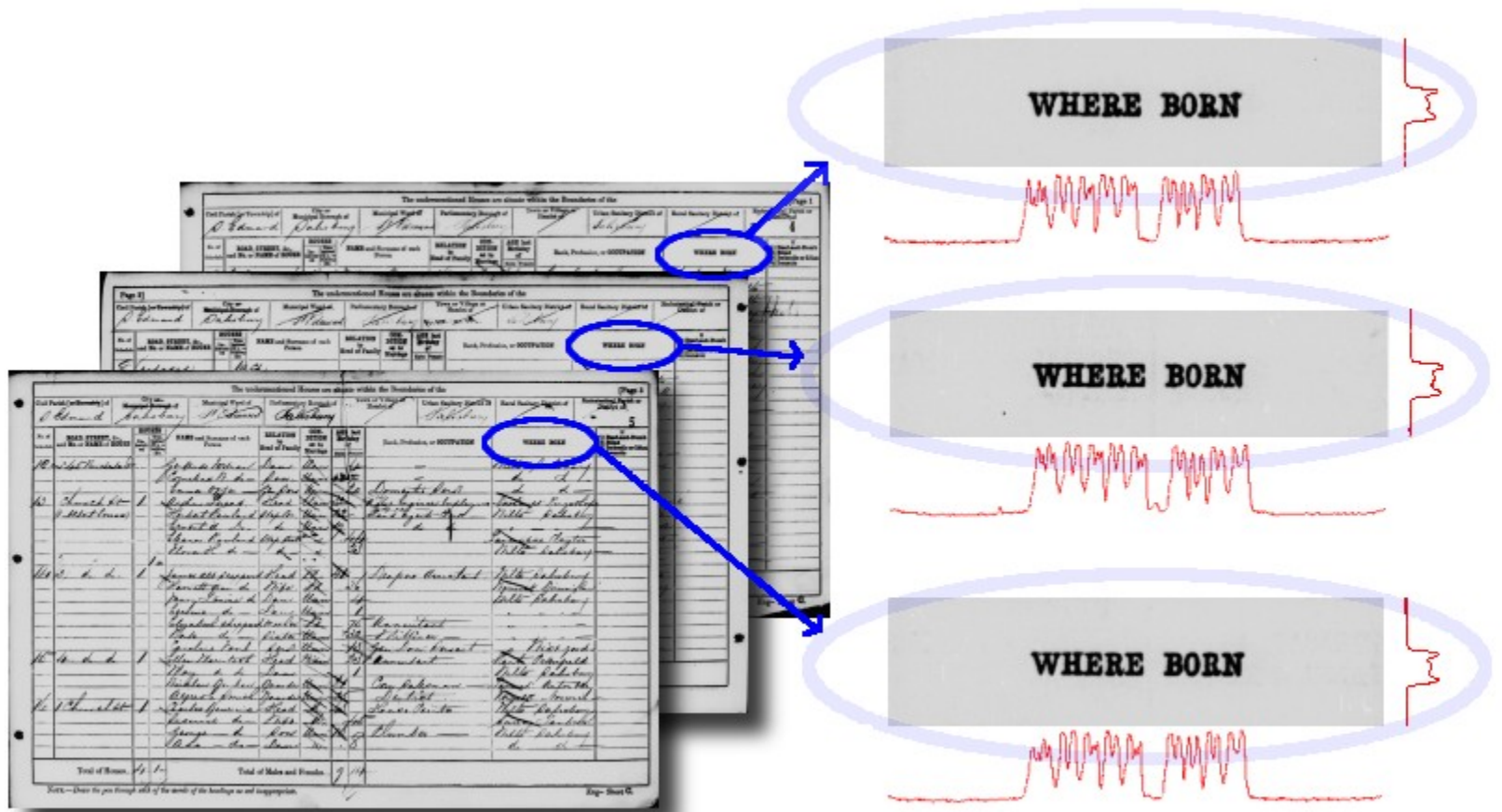
The undermentioned Houses are situate within the Boundaries of the											Page 1
Civil Parish [or Township] of	City or Municipal Borough of	Municipal Ward of	Parliamentary Borough of	Town or Village or Hamlet of	Urban Sanitary District of	Electoral District of	II				
Trigglesdown & Peter			Wotton	Bromston		4	(1) Deaf-and-Dumb (2) Blind (3) Imbecile or Idiot (4) Lunatic				
No. of Schedule	ROAD, STREET, &c., and No. or NAME of HOUSE	HOUSES Inhabited (A) or Building (B)	NAME and Surname of each Person	RELATION to Head of Family	CON-DITION as to Marriage	AGE last Birthday of	Rank, Profession, or OCCUPATION	WHERE BORN			
1	Lower Road		James John Wootton	Husband	Mar	46	Parson of Wotton and Vicar of Wotton	Bromston Wilt			
			Caroline Ann Wootton	Wife	Do	26		Wotton Wilt			
			Eliza Margaret Wootton	Daughter	Do	5		Wotton Wilt			
			Ada Caroline Wootton	Do	Do	3		Wotton Wilt			
			John John Wootton	Son	Do	3		Bromston Wilt			
			Elizabeth Taylor	Servant	Unm	30	Book	Wotton Glamis Wilt			
			Elizabeth Wootton	Servant	Unm	27	Housemaid	Wotton Wilt			
			Elizabeth Ann Wootton	Serv	Unm	24	Nurse	Wotton Wilt			
2	Wootton	1	William J. Wootton	Head	Mar	50	Gen. Occupation	Wotton Wilt			
			Caroline Wootton	Servant	Unm	20	Domestic Servt.	Wotton Wilt			
			Eliza Wootton	Wife	Mar	23	Wotton Wilt	Wotton Wilt			
3	Wootton	1	Robert Wootton	Head	Mar	40	Wotton Wilt	Wotton Wilt			
			Caroline Wootton	Wife	Mar	20	Wotton Wilt	Wotton Wilt			
3	Wootton	1	Wootton	Head	Mar	21	Wotton Wilt	Wotton Wilt			
1	Wootton	1	Wootton	Head	Mar	27	Wotton Wilt	Wotton Wilt			
			Wootton	Wife	Mar	20	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	22	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	25	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	27	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	29	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	31	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	33	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	35	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	37	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	39	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	41	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	43	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	45	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	47	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	49	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	51	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	53	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	55	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	57	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	59	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	61	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	63	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	65	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	67	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	69	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	71	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	73	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	75	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	77	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	79	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	81	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	83	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	85	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	87	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	89	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	91	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	93	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	95	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	97	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	99	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	101	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	103	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	105	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	107	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	109	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	111	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	113	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	115	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	117	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	119	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	121	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	123	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	125	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	127	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	129	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	131	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	133	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	135	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	137	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	139	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	141	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	143	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	145	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	147	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	149	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	151	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	153	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	155	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	157	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	159	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	161	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	163	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	165	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	167	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	169	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	171	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	173	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	175	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	177	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	179	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	181	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	183	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	185	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	187	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	189	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	191	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	193	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	195	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	197	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	199	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	201	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	203	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	205	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	207	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	209	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	211	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	213	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	215	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	217	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	219	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	221	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	223	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	225	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	227	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	229	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	231	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	233	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	235	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	237	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	239	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	241	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	243	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	245	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	247	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	249	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	251	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	253	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	255	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	257	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	259	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	261	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	263	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	265	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	267	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	269	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	271	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	273	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	275	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	277	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	279	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	281	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	283	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	285	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	287	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	289	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	291	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	293	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	295	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	297	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	299	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	301	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	303	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	305	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	307	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	309	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	311	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	313	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	315	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	317	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	319	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	321	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	323	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	325	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	327	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	329	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	331	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm	333	Wotton Wilt	Wotton Wilt			
			Wootton	Son	Unm						

NOTE.—Draw the pen through such of the words of the healings as are inappropriate.



# Classification

## Machine Printed Text



# Classification

## Handwriting





# Zoned Image

Page 2]												
The undermentioned Houses are situate within the Boundaries of the												
Civil Parish [or Township] of	City or Municipal Borough of	Municipal Ward of	Parliamentary Borough of	Town or Village or Hamlet of	Urban Sanitary District of	Rural Sanitary District of	Ecclesiastical Parish or District of					
S. Edmund.	Sahsbury	S. Edmund	Sahsbury	Sahsbury	Sahsbury	Sahsbury						
No. of Schedule	ROAD, STREET, &c., and No. or NAME of HOUSE	HOUSES		NAME and Surname of each Person	RELATION to Head of Family	CON-DITION as to Marriage	AGE last Birthday of		Rank, Profession, or OCCUPATION	WHERE BORN	II (1) Deaf-and-Dumb (2) Blind (3) Imbecile or Idiot (4) Lunatic	
		In- habited (A)	Un- inhabited (B)				Males	Females				
8	(not used)			14 Ch.								
9	39 Winchester St	1		Charles Holloway	Head	Mar	47		Iron Keeper	Sahsbury		
				Deborah H. do	Wife	Mar	45		Assist. L. Druggist	Sahsbury		
				Eliza do	Daughter	Unm	20		do do	Sahsbury		
				Emmentine do	Daughter	Unm	18		do do	Sahsbury		
				William do	Son	Unm	14		do do	Sahsbury		
				Frances do	Daughter	Unm	16		do do	Sahsbury		
				William Gale	Servant	Unm	16		Drifter	Sahsbury		
10	41 Do	1		John Joshua M.	Head	Mar	45		Public Spirit-Meat Supplying	Sahsbury		
				Elizabeth H. do	Daughter	Unm	5			Sahsbury		
				Joshua B. do	Son	Unm	2			Sahsbury		
				Margaret Mayors	Servant	Unm			Def. General Dom. Serv.	Sahsbury		
11	43 Do	1		John Hart	Head	Mar	68		Port & Grocer	Sahsbury		
				Elizabeth Hart	Wife	Unm	63			Sahsbury		
				William Hart	Son	Unm	21		Def. & Machinist	Sahsbury		
12	45 Do	1		Charles Norman	Head	Mar	38		Schoolmaster	Sahsbury		
				John Mary do	Wife	Mar	30			Sahsbury		
				Hannah Ch. Child	Daughter	Unm	12		Farmer's Wife	Sahsbury		
				John Mary Norman	Daughter	Unm	12			Sahsbury		
				Isabel do do	do	do	10			Sahsbury		
				Matthias do	Son	do	8			Sahsbury		
				Georgia do	Daughter	do	7			Sahsbury		
				Isabel do	Daughter	do	7			Sahsbury		
				Louisa do	Daughter	do	6			Sahsbury		
Total of Houses...		4	1	Total of Males and Females...			8	15				

NOTE.—Draw the pen through such of the words of the headings as are inappropriate.

# Future Work

- Implement mesh-to-mesh registration
- Classification through the use of document templates