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SAND

The Denis Sanders Mill Collection c1933-1974

Compiled by Robert Sharp

SAND

The Denis Sanders Mill Collection

Denis Sidney Sanders (1917-1974) was an aircraft engineer but throughout his life was passionately interested in mills, especially windmills. From 1942 Oct he was an active member of the SPAS (Windmill Section) and from 1948 Dec of the NS. He accumulated a large archive based around his own excellent fieldwork over forty years. On his death it passed to his friend and colleague, Ken Farries, with whom he made many trips into the field. Farries edited much of the archive adding many useful comments of his own; on his death in 1986 his executors donated it to the Newcomen Society who, in 1990 Oct placed it on loan to the Science Museum Archives Collection.

For a comprehensive appraisal of Sanders' archive see the two articles by J.S.P. (Stephen) Buckland from The Newcomen Bulletin nos. 143 & 144, 1989 Apr & Aug which accompany this listing.

Notes:

- the note books in SAND 1 contain details of trips made, survey notes taken, references to books and articles and directories (entries from which are often copied out verbatim), drawings, occasional newspaper cuttings, and the addition by Farries in 1981-82 of his own comments and transcriptions of loose notes by OS. All dates approximate.

- material at SAND 5/4 matches material held in the Simmons collection (ARCH: SIMNS), now photocopied, bound and available on open access.

- Certain abbreviations have been used to facilitate listing:

SPAB - Society for the Protection of Ancient Buildings

NS - The Newcomen Society

DS - Denis Sanders

HESS - Herbert Edward Sydney Simmons

RW - Rex Wailes

KGF - Kenneth G Farries

Contents

The Denis Sanders Mill Collection

SAND 1 Note books (numbered sequence 1-164]

2 Notebooks and notes

3 Peter Powell file

4 Miscellaneous

5 Material by H.E.S.Simmons

6 Architect's drawings

7 Press cuttings

8 Letters and correspondence

9 Photographs and post cards

10 Additional notebooks and notes

SAND

1 Ms Notebooks (numbered sequence 1-164)

1/1	1943 Aug - 1950 Jun	Surrey. Middx. Mill notes
1/2	1944 May - 1951 Jul	---- as above ----
1/3	1944 Jul - 1956 Apr	Northumberland, Derbyshire, Yorkshire
1/4	1945 Apr	Warwickshire 1. Wind and Water
1/5	-	Windmills in Nottingham
1/6	1945-Mar - Apr	Leicestershire 1. Water
1/7	1945 Mar - 1946 Jan	Leicestershire 2. Wind and Water
1/8	1945 Apr	Leicestershire 3. Water
1/9	1945 Apr	Derbyshire, Wind and Water, and Warwickshire
1/10	1945 May - 1954 Jun	Surrey, Wind and Water
1/11	1947 Jun - 1948 Mar	General Mill Notes. Essex Wind
1/12	1945 Feb - 1950 Oct	Sussex 1. Wind and Water
1/13	1947 Jun - 1954 Jul	Sussex 2. Wind. Water. (Includes 'list of Sussex Windmills now remaining' c. 1947)
1/14	1947 Jun-Jul	Cornwall 1. Watermills
1/15	1947 Jul	Cornwall 2. Watermills
1/16	1947	Cornwall
1/17	1947 Jul - 1953 Sept	Bucks. Wind. Kent. Wind
1/18	1948 Jul - 1962 Jul	Norfolk including SPAB tour 1962
1/19	1947 Jul - 1949 Jul	Kent. Wind

1/20	1949 Aug	Shiremark (Surrey) Book 1 etc.
1/21	1949 Aug-Sept	Upminster (Essex)
1/22	-	---- as above ----
1/23	1949 May - 1950 Mar	---- as above ----
1/24	-	Baker Street and Upminster (Essex)
1/25	1949	Kent. Wind. General
1/26	1949 Sept - 1950 Sept	Surrey. Wind & Water
1/27	1949	Kent. Water. Wind
1/28	1950 Jun	Middlesex. Watermills
1/29	1948 May - 1951 Feb	Upminster. S.Ockendon (Essex)
1/30	1950 Oct - 1957 Oct	Surrey
1/31	1950 Aug	Peasenhall & Darsham (Suffolk)
1/32	1950 Jul-Aug	Mainly Suffolk some Norfolk
1/33	1950 May - 1955 Oct	Shiremark Windmill (Surrey) Book 3
1/34	1951 Jul-Aug	Suffolk, and Ramsey, Essex
1/35	1949 Aug - 1952 May	Upminster (Essex, and Bucks, Suffolk etc.)
1/36	1951 Aug - 1952 May	Shiremark (Surrey) Book 4, & odd Suffolk notes
1/37	1951 Aug	Suffolk, also Ramsey, Essex
1/38	1951 May	Shiremark Windmill (Surrey) structure. Book 2
1/39	1952 Sept	Shiremark (Surrey) Book 5
1/40	1952 Jul	I.O.W. Wind & Water. Surrey.

		Wind
1/41	1952 Jul	South West Surrey. Water. Wind
1/42	1952 Jul-Aug	I.O.W. Watermills, Windmill, tide-mills
1/43	1952 Jul - 1954 Sept	Surrey Watermills
1/44	1952 Nov - 1953 Jan	Shiremark (Surrey) Book 6
1/45	1953 Jun - Dec	---as above--- Book 7
1/46	1953 Jul	Surrey. Water
1/47	1953 Jul	Surrey. Water. Wind
1/48	1953 Jul - 1960 May	(Surrey, Sussex)
1/49	1954 Aug	Dorset. Somerset. Devon
1/50	1954 Aug - 1956 Jul	Dorset. Book 1
1/51	1954 Mar - 1956 Aug	Shiremark (Surrey) Book 9
1/52	1955 May - 1957 Apr	General wind & watermill notes including odd Shiremark & Reigate Heath (Surrey)notes etc.
1/53	1955 Jan - 1958 Jan	Shiremark (Surrey) Book 8
1/54	1955 Jul - 1956 Jul	Dorset
1/55	1955 Apr - 1959 Jun	Herts. Wind. Sussex
1/56	1955 Jul	Devon
1/57	1955 Jul	Dorset
1/58	1955 Jul	--""--
1/59	1949 Oct - 1966?	(Essex) Notes on juggling at end
1/60	1956 Sept - 1958 Mar	Hove (Sussex). Shiremark (Surrey). Outwood (Surrey)
1/61	1956 Jul	Dorset. Somerset. Devon

1/62	1956 Jun-Jul	Dorset. Devon
1/63	1956 Jul	Dorset
1/64	1950 Jun - 1965 Jul	Middx mill notes. Wimbledon. SPAB Bucks watermill tour (1957 Oct). Outwood (Surrey)
1/65	1964 Jun	Lowfield Heath (Sussex)
1/66	1957 Jun-Jul	Sussex. Wind & Water
1/67	1948 Sept - 1957 Apr	Surrey windmills
1/68	1958 Jul	West Sussex. Book 1
1/69	1958 Jul	---""--- Book 2 (including SPAB Kent mill tour)
1/70	1954 Jul - 1959 Apr	Newark (Surrey). Kingsdown (Kent)
1/71	1959 Jul	West Sussex
1/72	1959 May - 1960 Aug	Lowfield Heath (Sussex). Baker Street (Essex). Shiremark (Surrey) Book 11
1/73	1959 Jun - Nov	Shiremark (Surrey). Birch Green, Essex
1/74	1959 Sept - 1960 Dec	Bucks. Outwood (Surrey)
1/75	1960 Jul	Sussex (W). Suffolk
1/76	1961 May - Aug	Sussex. Oxfordshire
1/77	1961 Jul	Killarney
1/78	1961 Apr	Mill notes, Yorkshire. Essex
1/79	1961 Jun - 1962 Sept	Essex. Herts.
1/80	1962 Jul	Sussex
1/81	1962 Mar - Jul	Sussex. Shiremark (Surrey)
1/82	1962 Nov	Essex
1/83	1963 Sept	Suffolk

1/84	1963 Jul	Sussex. Hants.
1/85	1963 Apr - 1964 Jul	Shiremark (Surrey). Book 10
1/86	1963 May - 1964 Oct	SPAB tour 1963 (& 1964). Surrey. Sussex. Hants.
1/87	1961 Sept - 1964 Mar	Outwood (Surrey)
1/88	1964 Nov - 1966 Mar	Oxon.
1/89	1964 Mar - 1966 May	Suffolk. SPAB lectures (1964 & 1965) and tours: Midlands, 1965 May; Northants, 1966 May
1/90	1964 Jul - Sept	Fort William. West Sussex. S.E. Surrey
1/91	1964 May - Jun	Essex
1/92	1964 Jun - 1971 Sept	Surrey (including Shiremark)
1/93	1965 Oct	Suffolk
1/94	1965 Sept	Kent
1/95	1965 Apr - Jul	Sussex. Surrey
1/96	1965 Sept	Day trip to Essex, Suffolk & Cambs.
1/97	1958 Jul - 1965 Aug	Sussex. Surrey (including Shiremark)
1/98	1965 Oct - 1966 Aug	Kent. (Sussex)
1/99	1966 Aug	Beds.
1/100	1966 Oct	Chinnor (Oxon). Bradwell (Bucks)
1/101	1966 Jul - Nov	Essex. (Sussex)
1/102	1966 Oct	Suffolk
1/103	1966 Sept	Brill (Bucks)
1/104	1966 Apr - 1967 Jul	Shiremark (Surrey)
1/105	1967 Aug - 1973 Jul	Brixton. Meopham, Shorne (Kent). Lowfield Heath

		(Sussex)
1/106	1967 Jun - Jul	Chinnor, Oxon.
1/107	1965 Sept - 1967 May	SPAB tour, Suffolk 1967 May. (Cambs)
1/108	1967 Sept - Oct	Baker Street etc., Essex
1/109	1968 Jun	Ramsey, Essex
1/110	1967 Nov	Baker Street, Essex
1/111	1968 Aug - Sept	Little Hadham etc., Essex. (Cambs)
1/112	1968 Jan - Apr	(Herts. Cambs.)
1/113	1968 Sept - Oct	SPAB trip to Sussex. Peak District
1/114	1968 Jul	Lacey Green, Bucks. Book 1
1/115	1968 Jul	--as above--Book 2 etc.
1/116	1968 Oct - 1972 Sept	Terling, Essex. Book 1
1/117	1968 Oct	---""--- Book 2
1/118	1968 Aug - Sept	Cambs. (Herts.)
1/119	1968 Sept - 1972 Dec	Stansted, Essex
1/120	1968 Jul	Market Drayton etc. (Shropshire). (Ramsey Essex)
1/121	1968 May	South Ockendon (Essex). SPAB (tour to Cambs)
1/122	1968 Dec - 1969 Nov	(Notes on radio programme) The Oak (and book The Farm and the Village). (Sussex, Surrey, Essex). SPAB meeting
1/123	1969 Sept - 1970 Nov	White Roding, Saffron Walden
1/124	1969 Oct - 1971 May	Essex
1/125	1969 Jun - 1970 Mar	SPAB trip to Beds. Slimbridge (Glos). Sussex. Suffolk. Bucks.

1/126	1969 Mar	Terling, Essex. Book 3
1/127	1969 May	---""--- Book 4
1/128	-	Terling (Essex): Engine Drive
1/129	1969 Aug - Sept	Essex including Great Easton
1/130	1969 Jun	Thaxted (Essex) 2
1/131	1969 Jun	---""--- 1
1/132	1969 Jul	Gobions (i.e. Gubbions) Essex. Scottish holiday
1/133	1969 Dec - 1970 May	SPAB Windmill meetings. (Spalding, Lincs)
1/134	1970 May - Sept	SPAB tour (including Warwicks). Farnborough. Salisbury. Stonehenge
1/135	1970 Jun	Cranbrook, Kent
1/136	1970 Jun	Ashdon, Essex. Book 2
1/137	1970 Apr	---""--- Book 1 (and other Essex mills)
1/138	1970 Sept	Great Canfield, Ashdon (Essex). Dalham (Suffolk)
1/139	1971 Jul	Willesborough, Kent
1/140	1971 Mar - Jun	SPAB Windmill (& NS) Meetings. Diary notes, many items (including Braughing, Herts)
1/141	1971 Jul - Aug	Arkwright Festival weekend in Derbyshire
1/142	1971 Jul - Aug	Gainsford End etc., Essex
1/143	1971 May	Gt. Dunmow, Gainsford End etc., Essex
1/144	1971 Oct	Clavering, Hadstock etc., Essex

1/145	1971 Oct	Essex etc.
1/146	1971 Sept	(Miscellaneous including Chichester, Sussex; Ingatestone, Essex)
1/147	1971 Aug	Essex
1/148	1971 Nov - 1972 Mar	(Visit to) Garden Farm House (home of KGF). SPAB Windmill Meeting
1/149	1972 Oct	(Suffolk)
1/150	1972 Aug - 1973 Sept	Lacey Green (Bucks). Book 3
1/151	1972 Apr - Oct	Drapers Mill, Margate
1/152	1972 Apr	(Essex including) Halstead, Bocking
1/153	1972 Apr	(Essex including) Belchamp Walter, Great Bardfield
1/154	1972 Aug - Sept	(Late summer holiday miscellany)
1/155	1968 Aug - 1972 Jul	Upminster (Essex)
1/156	1972 Jun	Essex
1/157	1972 Sept	(Essex including) Chatham Green, Terling Book 5
1/158	1972 Nov - 1973 Mar	(Meetings:) SPAB Watermills, NS, (SPAB Windmills)
1/159	1972 Sept - 1973 Feb	Shiremark (Surrey)
1/160	1973 Mar	Great Holland, Essex
1/161	1973 Oct	Essex
1/162	1973 Jun	Essex (including) Thorrington tide mill, Shrub End, Colchester
1/163	1973 Apr	Stansted etc., Essex
1/164	1973 Nov	Lacey Green (Bucks) etc.

2 Notebooks and notes

- | | | |
|-----|----------------|---|
| 2/1 | - | Kellys North and East Riding, Yorks [Contains ms mill references from 1872, 1879 & 1933 directories] |
| 2/2 | 1945 Mar - May | [Survey notes of mills in)Warwicks, Leics [& Rutland). [By DS but in HESS' hand?) |
| 2/3 | - | [Mill references from directories(1835-1929?) for county of) Shropshire. [By DS but in HESS' hand?] |
| 2/4 | - | [14 pp, from notebook, of ms notes by DS re] Henfield [Sussex] post windmill, [based on a survey of 1945) |
| 2/5 | C 1945 - ? | (File of loose ms notes by DS, primarily on mills, mostly in Middx, but also in London, Surrey, Beds etc., including extracts from books, journals and directories] |
| 2/6 | (late 1960s) | Miscellaneous ideas, thoughts etc. by DS re windmills [edited by KGF].[25 pp typescript] |
| 2/7 | (1960s) | Notes and reflections by DS on Shiremark smock windmill, Capel, Surrey and on smock mills generally [edited by KGF]. [19 pp typescript with 4 pp ms notes] |

3 [Peter Powell (PP)file]

- | | | |
|-----|----------|--|
| 3/1 | 1965 Jan | Press cutting: PP with model of Coolham post mill |
| 3/2 | 1934 Feb | Notes by Ernest Powell [father] on R.T. Hopkins' booklet on Sussex windmills |

		[1 p typescript]
3/3	1935 Jun	Letter: H.E.S.Simmons to Mr. Powell [3 ms pp]
3/4	1958 Jun - 1962 Dec	Letters (2): F.P.Ayling to PP. [Both 1 p; one ms, one typescript]
3/5	1940 Sept	Copy article: Capel Mill, Shiremark by W.V.Seear, from The Holmwood Magazine. [2 pp, typescript]
3/6	-	Shiremark Windmill: particulars of leases, sale, inventory etc. 1774-1818. (1 p,typescript)
3/7	-	Rex Wailes' list of his and others' negatives re Sussex. [2 pp, typescript]
3/8	1964 Jan - 1965 Feb	PP's reports on Rowner and Duncton watermills, Sussex and correspondence with SPAS re same and Court Mill, Sussex etc.
4	Miscellaneous	
4/1	1934 Nov - 1970 Jan	Ms notes on mills in Sussex and Kent; typescript extracts from books and magazines and of reports, by others, on mills; correspondence: OS / the press; press cuttings, etc [1 file)
4/2	1940 - 1961	Letter: Secretary of NS to DS re paper co-written by Rex Wailes on windmills of Derbys, Leics & Notts, and draft letter: DS to RW re same, both 1961; DS notes re mills in above counties visited in 1944-45 including extracts from magazines and journals [42 pp ms); extracts from book on Eastbourne windmills and from NS paper

		of 1940 by RW on Picardy post mill
4/3	1938 Mar - 1939 Aug	[3 articles on] Lost Mills of [Sussex] by Ernest Straker [from Sussex County Magazine], etc
4/4	-	[Notes re sackhoists] [2pp ms]
4/5	1971 Apr - 1973 Apr	Notes re Finnish smock mills [probably connected with R Wailes' papers to NS] [6 pp ms]; (copy) correspondence: DS / RW re Finnish post mills
4/6	(c 1966)	(Notes re paper by R Wailes to NS on windmills of Oland, Sweden) [10 pp ms]
4/7	1913 - 1916	[Carpenter's accounts book?] found in Nyetimber windmill, Sussex in 1963 Jul
4/8	-	Notebook containing ms entries on watermills from Sussex directories 1823-1938
4/9/1	1936	The Watermills of Sheffield part 1, by W T Miller. [Notebook, 84 pp of ms copy]
4/9/2	1936	----- as above ----- part 2, by W T Miller. [Notebook, 82 pp of ms copy]
4/10	1934 Aug	List of all windmill sites visited Aug 18-26 [by Donald W Muggeridge) [10 pp typescript)
4/11	1937 Nov	List of windmill remains in Suffolk [9 pp ms]
4/12	-	Notes re history of Shiremark [windmill), Capel, (Surrey) including 20 page draft on same for [1966] book The Windmills of Surrey and Inner London by KGF and M T Mason *

[24 pp typescript).
[Seemingly DS wrote much of
this description]

4/13 1933 Sept - 1952 Mar (Copy) letters / reports:
 various parties re Shiremark
 windmill, Capel, Surrey
 including reports by R Wailes
 in 1933 & 1951 and by D G
 Martin, architect (accompanied
 by A Leathart [see SAND 6])
 in 1951 [all typescript]

* Science Museum Library book shelved at
621.548:93

5 Material by H E S Simmons

5/1 (1947) [Draft article) Sussex
 Watermills [for Sussex County
 Magazine] [9 pp typescript]

5/2/1 (c 1936) (Notebook): Worcestershire
 Watermills on the Belne Brook
 1 [34 pp ms]

5/2/2 (c 1936) ----- as above ----- 2 [11
 pp ms]

5/3/1 1935 Sept [Notebook]: HESS Suffolk 1
 [28 pp ms]

5/3/2 1935 Sept ----- as above ----- 2
 [12 pp ms]

5/3/3 1935 ----- as above ----- 3
 [35 pp ms]

5/4/1 1935 May - 1946 Jun Watermills: Sussex A-H [Bound
 volume of ms and typescript
 historical and survey notes,
 with inserts, some taken by
 DS]

5/4/2 1935 May - 1946 Jun Watermills: Sussex I-Z [as
 above]

5/5 1946 Sept Cambs-Lincs notes [from HESS
 to DS] [30 pp typescript]

5/6 (1938 - 1939?) Transfer book no. 3 (Notebook

of ms notes (by HESS?) on
mills]

**6* Architect's drawings (by J A Leathart, Welbeck St
W1, of The Shiremark Windmill, Capel, Surrey)**

- | | | |
|-----|-----------|--|
| 6/1 | 1951 Aug | Drawing no. 2, elevation and
section |
| 6/2 | 1951 Sept | Drawing no. 3, ----- as above
----- |
| 6/3 | 1951 Sept | Drawing no. 1, five plans [at
different levels) |

7 Press cuttings

- | | | |
|-----|----------------------|--|
| 7/1 | 1968 Apr - Jun | Series of cuttings re mills in
various counties, from
numerous newspapers via
Durrant's [press agency,
London) |
| 7/2 | 1949 Sept - 1968 Nov | Series of cuttings re mills
etc, mostly from the
Middlesex Chronicle |

* see SAND 4/13 for architect's accompanying
report

8 Letters and correspondence

- | | | |
|-----|----------------------|---|
| 8/1 | 1943 Sept - 1973 Nov | Letters (47): Rex Wailes to
DS; with miscellaneous
letters (2) to DS: invitation
to Wailes' lecture at
Whitehall Camera Club 1949
Oct; from Companies'
Registration Office re G
Wailes & Co Ltd 1960 Jun;
draft letters (3): OS to RW,
one (c 1956] re Norfolk
drainage mills; DS' notes
of SPAB conference 1966 Mar
and his disagreement and
making up with RW [Ms &
typescript] |
| 8/2 | 1945 Mar - 1962 Mar | Letters (24): H E S Simmons
to DS [Some exist only in
part, some are undated] [Ms & |

typescript]

8/3	1946 Oct - c 1968	Letters (14): T J Mason to DS [All ms]
8/4	1962 Sept - 1966 Jul	Letters (6): Frank Gregory to DS (All ms)
8/5	1951 Aug - 1973 May	Letters (17): Lawrie Barker to DS [All ms]
8/6	1959 Jun - 1966 Jun	Letters (26): Peter Powell to DS; with undated Xmas card evidently giving site of Coolham post mill, Sussex; letters (3): Molly Powell to DS with newspaper obituary of PP of 1965 Oct 8 [All ms]
8/7	1971 Nov - 1973 Apr	Letters (17): Ken Reid (8) / Charles Skilton, publisher (9) to DS re former's book on watermills [DS advised on technical aspects etc at galley stage]; with draft letters and notes: DS to same (MS & typescript)
8/8	1968 Aug - 1972 Sept	Letters (12): Stephen Buckland to DS, with draft letter: DS to SB [MS & typescript]
8/9	1968 Jun - 1972 Dec	Letters (7): Frank Farrow to DS; with draft letter: DS to FF [All ms]
8/10	1968 Jul - 1969 Mar	Letters (4): Graham (Chris) Wilson to DS; with notes by GW for DS on various Cambs smock mills; draft letters (2): DS to GW [All ms]
8/11	1943 Jun - 1970 Aug	Letters (68): Stan Freese to DS; with draft letter: DS to SF [All ms]
8/12	1965 Oct - 1966 Feb	Letters (2): Stan Freese to DS re proposed joint book on windmills [Ms]

8/13	1969 Aug - 1970 May	Correspondence: Ken G Farries / Stan Freese [total 20 letters; ms & typescript)
8/14	1942 Oct - 1974 Jan	Letters (92): [includes) SPAS, M T Mason, A Leathart, A Stowers, K Major etc to DS [Ms & typescript]

9 Photographs and postcards

9/1		Sussex mills [one of each unless otherwise stated]
9/1/1		Albourne
9/1/2	1963 Oct	Angmering; [taken by Peter Powell] (9)
9/1/3		Angmering (2 copies)
9/1/4		Arundel (2)
9/1/5		Barcombe
9/1/6		Barnham
9/1/7	1931	Bodle street
9/1/8		Clayton Mills nr Brighton
9/1/9		Clymping nr Littlehampton (2)
9/1/10		Cowbeech
9/1/11	1965 Jul	Crowborough; [taken by Peter Powell] (7)
9/1/12		Dallington
9/1/13		Dicker
9/1/14		Earnley (2)
9/1/15		[East] Blatchington, mill on golf links
9/1/16		Fishbourne
9/1/17		Hailsham

9/1/18	1965 Aug	Horsham, Amies Mill (2)
9/1/19		Horsham, Wimble post mill Icklesham, Telegraph Mill
9/1/20		
9/1/21		Iden
9/1/22	1942 Dec	Jolesfield Common, smock mill (2)
9/1/23		Kingston, six-sailed mill
9/1/24		Lancing Down (2 copies)
9/1/25		Lewes, Kingston Mill
9/1/26		Littlehampton: The Lake; the Pier; Down the River (3)
9/1/27	C 1906	Little Waltham
9/1/28		Malling [including view of the 1908 fire] (4)
9/1/29		Mark Cross [including view of fire in cap 1913] (4)
9/1/30		Mayfield
9/1/31		Newchurch (2 copies)
9/1/32		Ninfield (2)
9/1/33		Nutley (3)
9/1/34		Nyetimber (2)
9/1/35		Ocklynge (2)
9/1/36		Offington Mill (2)
9/1/37		Partridge Green
9/1/38		Patcham (2)
9/1/39		Portfield
9/1/40		Playden (3)
9/1/41		Punnetts Town

9/1/42	Racehill (2)
9/1/43	Rottingdean
9/1/44	Rustington (aka Seafield Mill) (3)
9/1/45	Salvington
9/1/46	Sandy Cross (3)
	Seafield [see Rustington]
9/1/47	Seaford, Sutton Mill
9/1/48	Southwater, Cripplegate Mill
9/1/49	Stone Cross Mill (2)
9/1/50	Tide Brook
9/1/51	Udimore (2)
9/1/52	West Blatchington (7)
9/1/53	West Chiltington
9/1/54	Westfield (2 copies)
9/1/55	Winchelsea, St Leonard's Mill (2, including one of DS in front of mill)
9/1/56	Worthing: Navarine Mill; mill close to station (2)
9/1/57	Untitled (10)
9/2	Sussex: Henfield [both the post mill demolished in 1953 Oct and Nep Town post mill blown down in 1908 Feb) (15); with negatives (2). [DS surveyed Henfield mill in 1945 (see SAND 1/12), more fully writing up his notes in SAND 2/4)
9/3	Kent: stocks Green (1)

9/4		Warwicks: Dansey Green (3)
9/5	1964 May	A 1/8 th scale model of Coolham post mill, Sussex in the garden of its maker, Peter Powell (3) (Two photos include DS]
9/6	1949 - 1951	Essex: DS working on Upminster Mill (4)
10	Additional notebooks (/1-8) and notes (/9) (passed to SML by Newcomen Soc. in July 2004)	
10/1	1945-1946	Leics. Water
10/2	1946?	Leics. water (Soar mills)
10/3	1945 - 1946	Leics. wind
10/4	1945?	Watermills on the River Leen, Nottinghamshire. Part 1
10/5	1945?	---- ditto ---- Part 2
10/6	1945	Leen additions
10/7	1946	Notts. wind & water
10/8	1945	[Various counties]
10/9	c. 1945	[---- ditto ----]

Object no. 1990-665

OBITUARY NOTICES

OWEN FRANCIS GRAZEBROOK who died on 31 March 1974 had been a Member since 1944. He was chairman and managing director of M & W Grazebrook of Netherton, Dudley, engineers and ironfounders.

FRANK McALISTER, MRINA, MIMarE, who died in the spring of 1974 had been a Member since 1938. He was, until his retirement at the age of 65, chairman of the naval side of the family firm of J. Stone & Co Ltd., Engineers, with whom he had served since 1933. His most memorable achievement was the design of the Heliston, an improved form of propellor first fitted in 1935 to a small ship, and later to the ocean giants *Queen Mary*, *Queen Elizabeth*, *Normandie* and other famous ships.

PETER EDWARD MARTER, MIMechE, who died early in 1974 had been a Member since 1972. He was interested in the development of steam power.

ANTHONY ELLIS MINNS, MA, who died on 20 February 1974 at the age of 64, was elected a Member in October 1970. He was a Cambridge graduate in Mechanical Science, and at the time of his membership a retired company director interested in early steam engines and electrical machines.

DENIS SIDNEY SANDERS, recently deceased, had been a Member since December 1948. He was an aircraft engineer but at meetings of the Society showed a wide and detailed interest in windmills and took an active part in all discussions on that subject.

PROFESSOR WILLIAM STEEDS, OBE, BSc(Eng), ACGI, FIMechE, who died in May had been a Member since 1962. He was, until he retired, Professor of Mechanical Engineering at the Royal Military College of Science, Shrivenham, having been on the College staff since its Woolwich days. In 1942 he took an active part in founding the School of Tank Technology at Chobham. Among other books he wrote a *History of Machine Tools, 1710-1900* (Oxford U.P., 1969)

SAMUEL SUTCLIFFE who died on 15 February 1974 at the age of 90 had been a Member since September 1951. His particular interest was machine tools. He played as a boy on the Newcomen engine at Ashton-under-Lyne (Fairbottom Bobs) that later went to Henry Ford's Museum. He started in engineering, so he said, with a firm in Oldham in 1895 when he was eleven years old! As a machinery merchant he

bought and exported some of the largest machine tools ever made, including a lathe that weighed 120 tons. He claimed to have made Ford Trucks before Ford, and in 1916 helped to make and demonstrate motor ploughs. His various inventions included the Castle oil-slick collector (1967); now patented by Standard Oil in the U.S.A., where it has gained the highest awards.

Obituary Notices of J. C. Brown and J. C. Hart appeared in Vol. XLV.

COLONEL EDWARD PIERCE HAMILTON died in May 1972 and a brief obituary notice appeared in *Trans.* XLIV. Mr. Rex Wailes now writes: 'Colonel E. P. Hamilton, who served abroad in the United States Army in both World Wars, was author of 'Some Windmills of Cape Cod' in *Trans.* V. He was extremely interested in watermills and was responsible for the reconstruction of the Saugus Ironworks and several old corn mills. He was a very fine model maker and his model of the proposed reconstruction of the windmill at Colonial Williamsburg convinced Mr. Rockefeller of the desirability of that project. Before it was completed he had made a punch and die to produce in silver a small embossed representation of the original mill. He was a collector and repairer of old watches and clocks and was especially fond of the old American clocks with wooden wheels. On his retirement, in addition to his direction of Fort Ticonderoga, he wrote a number of historical books commencing with an authoritative and very readable account of his own home town of Milton, Massachusetts, where his family had been settled for over two centuries.'

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THE DENIS SANDERS MILL COLLECTION (Part I)

by

J. S. P. Buckland

The MS wind and watermill collection of the late Denis Sidney Sanders of Feltham, Middlesex (Member), (born Steyning district, near Worthing, Sussex, 16 September 1917, married Doris L. Young, 31 October 1941, Brentford district, died 4 March 1974, aged 56, a one-liner in *Trans.* xlvii. (1973-74), p.94, and he was worth more), has been very kindly donated to the Society by the executors of Kenneth George Farries (1916-86), author of the five splendid volumes of *Essex Windmills, Millers and Millwrights* (Skilton, 1981-88).

Denis Sanders (pronounced "Saunders") was a first-rate fieldworker, at least as interested in the framing and construction of mills (particularly of windmills) as in their millwork. He was a frequent contributor to the discussions of Wailes's windmill papers to the Society, but himself published little. What he did publish is confined to the technical descriptions (e.g., of Ockley and Shiremark smock mills) in Kenneth G. Farries and Martin T. Mason, *The Windmills of Surrey and Inner London* (Skilton, 1966), and the account of West Wrattling smock mill, Cambridgeshire, in *Millnotes*, ed. J. K. Major et al., no. 3, Reading, October 1972; and Farries used his notes extensively in his *Essex Windmills* ... 10 e.g., for Upminster, Moreton, Baker Street Orsett, South Ockendon and Terling mills. Indeed, a great deal of the later fieldwork a lot of it in Essex was done in company with Farries, who drove them both. The later notes too are almost wholly devoted to windmills, with the conspicuous exception of Thorrington tide mill, Essex, in June 1973 (notebook 162).

This published dearth is a pity, for Denis Sanders's field notes are lucid, intelligent, careful measured detailed, disciplined and legible. They are contained in 164 notebooks, which run from 22 August 1943 (Wray Common tower mill, Reigate, Surrey, all plant gone except for the clasp-arm brakewheel on an iron windshaft) to 24 November 1973 (Lacey Green smock mill, Buckinghamshire), include both wind and watermills, and cover predominantly the Home Counties and Suffolk. However, some of the early 1944-45 material is on mills in Northumberland, Derbyshire, Yorkshire, Warwickshire, Nottinghamshire and

Leicestershire, including Jesmond Dene watermill and Dale Abbey post mill (both notebook 3), Green's tower mill, Sneinton near Nottingham (5), (burnt out 1947, since restored), and Tuttle Hill tower mill, Nuneaton, the former five sailer (9). Notebooks 14-16 cover Cornish watermills, 1947; 40 and 42 Cover Bembridge tower mill and Isle of Wight watermills, 1952; 49, 50, 54, 56-58, 61-63 cover Devon, Dorset and Somerset watermills, 1954-56; and 84 has detail notes on Bursledon tower mill, Hampshire, 1963.

Other detail notes include notebooks 2 and 10, on the 'superb three wheel Newark Mill, Ripley, Surrey, in 1944-45, since burnt down; (7), on the fine Sussex tower mill at Polegate, now preserved, and on the nearby Polegate watermill, both in 1945, and which say the windmill was last worked by wind in September 1943, since by an electric motor; (27), on the equally superb, Barham Downs smock mill, Kent, in 1949, since burnt down; (28), on the scant remains of the Bedfont (Hounslow) powder mills in 1950; and (64), repairs to the fantail of Wimbledon Common mill in 1957.

Notebook 83 contains really fine comparative descriptions of the neighbouring post mills of Drinkstone and Woolpit, Suffolk, in 1963, just before the latter's collapse. Denis decided that Woolpit had a rebuilt buck on the old trestle; and he concluded that a greater contrast between their buck framing "could hardly be imagined-Drinkstone is cramped, awkward, with evidence of alterations everywhere, Woolpit is spacious, of clean design-jig built, as it were!" He describes Drinkstone as a two-pair head-and-tail mill, framed without sidegirts, the top side rail being carried on a vertical post off the end of the crowntree and braced by two curved braces sprung from the post. The mill had been lengthened both fore-and-aft with false front and rear corner *posts*, the weatherbeam being carried on extensions to the top rails, the whole "done in a rather flimsy manner (although, as usual, it could be argued "Well, it's still there!" of course)."

Denis decided (contrary to Wailes, *English Windmill* (1954), p.33) that the buck had not been turned end for end, as the old position of the weatherbeam, on the front ends of the top side rails, was quite clear. He thought the front stones had not been repositioned, and could therefore see no good reason for the lengthening. The left vertical post was leaning outward very badly, its top side rail was cracked ("whole mill is cracked, one

might almost say"), and the weatherbeam was sagging badly. The right vertical post, of oak, 14" by 9", has "1689" nicely carved in it, but I myself would doubt the mill is that old; Denis expresses no opinion. He concludes: "To describe the structure adequately would take 200 pages! If modelled, it would be ridiculed. An "Alice in Wonderland" mill!" (The same year, 1963, It acquired a tailpole-mounted fan, and, incredibly, may still be running, or at least workable. It IS the frontispiece in Brian Flint's *Suffolk Windmills* (1979)).

In effect, Denis is here pointing out a fundamental distinction between English and Dutch smock mills. The smock mill is a Dutch invention of the early 16th century, and in the Netherlands, once its design had stabilised in the first half of the 17th century, was built to last for ever. The English smock mill, on the contrary, though skilfully was quite lightly built, had a limited life span, and moreover, was inadequately weatherproofed at the angles. In the southeast of England it probably does not significantly predate 1750; and from East Anglia to Kent, at least so far as corn mills are concerned, probably had a heyday of a mere century which was over by the 1880s. Shiremark, 1774, was a rare survivor of a second generation mill, and showed its age by its large, broad, but at the same time squat smock tower, the cant posts being only 21' long (Denis Sanders in Farries and Mason (1966) says 9" square). *(to be continued)*.

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**The Denis Sanders Mill Collection (Part II)
J. S. P. Buckland**

Denis's mill cuttings include a reproduction of a small coloured sketch dated July 19, 1757, from the *Middlesex Chronicle*, 20 May 1955 (also in the *Middlesex Quarterly and London County Review*, Spring 1955, and *Country Life*, March 3, 1955), of the Six sailed Brazil dye-wood rasping smock mill on Hounslow Heath, Middlesex, its smock body similar to though smaller than Shiremark's, and set on a three floored square (brick) base. This sketch, excepting only Smeaton's Wakefield oil mill of 1755, whose floorless semi open frame tower is peculiar to Smeaton (Wailes, *English windmill* (1954), plate 9; *Trans.*, xxviii (1951-53), plate 32), is the very earliest illustration I know of of a smock mill anywhere in England; then I have a complete blank (excepting Smeaton's Chimney Mill, Newcastle-upon-Tyne, of 1781-82, built like Wakefield) till the West Ham smock mill engraving of 1783 in *Essex in pictures* (Essex RO Publications no. 15, 1952), fig. 9.

On 13 October 1973, he and Farries visited a rescue dig at Mucking, in Stanford-le-Hope parish, Essex, on the off-chance of seeing a sunk post mill remains, but were too late (notebook 161). However, the archaeologists produced scale drawings, sections and colour slides of the windmill excavation; it was thought the crosstree beds were c.6' deep by c.20' long. It is not in Farries's *Essex Windmills*, and I do not otherwise know of it.

Mill correspondence includes a run of letters from Rex Wailes (1901-86) from 5 September 1943 to 18 November 1973; from H. E. S. Simmons (1901-73) from 1945 to 1962, plus other items including an exercise book of notes on Suffolk windmills, based on conversations with Jesse E. Wightman, then of Saxted, Suffolk, farmer and millwright, on 12 and 13 September 1935, and a valuable 30pp. typescript carbon listing and notes of Cambridgeshire and Lincolnshire windmills resulting from his first post War mill holiday in 1947; and from Stanley Harman Freese (1902-72) from 4 June 1943 to 1970 (the last ones to K. O. Farries), the biggest run of letters and probably the most interesting.

For part of his working life Freese was a commercial artist, mostly in partnership, I believe, with his brother Cyril; and *In Search of English Windmills* (1931), which he wrote with Robert Thurston Hopkins, is illustrated by his very attractive sketches. A fine one

is of Stanningfield post mill (see part 1), showing the braced sails. The original working sketch, dated 18 April 1930, of one of them, of Great Chishill post mill, Cambridgeshire, is the cover picture of Phillip Unwin's *Old Windmills of Chishill* (33pp., 1977). Denis Sanders visited Freese in retirement in Suffolk in 1966, and wrote (notebook 102): "Stan has about 50 sketch books, very liberally sprinkled with windmill drawings, many of them extremely good, and many of the mills long gone, now, of course. Pen and ink sketches". Where they are now is unknown to me.

In *his Windmills and Millwrighting* (1957), whose uncritical enthusiasm did not escape comment, Freese, regrettably abandoned draughtsmanship for photographs (including many poor ones), apart from an excellent perspective constructional drawing of Brill post mill, Buckinghamshire. This had the compliment paid it of being pirated, with minimal changes, in a 4pp. guide to Mountnessing post, mill, Essex, by D. M. Neale, of 1975 or 76, which was itself copied into GLIAS's *London's 1A* no. 3 (1984).

Freese's letters are all in the attractive, flowing, rather undisciplined style of his books. Several deal with the slow, five year progress of his 1957 book through the publishers (the CUP's) hands. He deliberately did not see Wailes's *The English windmill* (1954) before his own went to press (letter of 10 April 1955). The editor removed two of his chapters, on smock and tower mill repairs, he nearly lost the chapter on his major reparations to Brill post mill in the late 1940s, and it was against his wishes that there is no index of mills. The Brill repairs are one of the most interesting sections in the book and along with the equally voluntary work carried out on Upminster smock mill around the same time, on which there is quite a lot in the Sanders notebooks were done long before weekend millwrighting came into vogue. A letter of October 24 1948 describes hoisting a stock at Brill, but this is largely repeated in the book.

His letters contain a lot of mill news and some fieldwork data. The preserved Stevington post mill, Bedfordshire, was rebuilt round the old trestle and crowntree in 1921 (incidentally, no photograph of it before that date is known to exist). The tailwheel has gone, and it has a very projecting breast beam. Freese (16 August 1954) suggests that the latter was done in order to move the head and tail stones forward and so to accommodate a rear bolter. And: "The mill is clockwise; and headstones

ditto; but the remaining tail-stone, (propped inside the tail against the wall, to balance the mill), is anticlock, therefore it drove off the front of the tail wheel as at Syleham [Suffolk but read Horham. Suffolk], to further increase the space for dresser."

Denis later, in 1969, decided he could not tell if the tailwheel had ever been this way, admittedly during an SPAB Mill Tour visit (notebook 125). Perhaps it was so originally, but I myself wonder if the tailwheel was ever re-installed in the mill on its rebuilding, as there was only one pair of stones worked (meaning, it was a one-pair mill) in 1931 (J. Steele Elliott, in *Publins. Beds. Hist. Record. Soc.*, xiv (1931), p.37).

In a letter of 22 March 1951, Freese transcribed his interior field notes on Wortham smock mill, Suffolk (which had collapsed in 1948, see *Daily Telegraph*. Thursday, March 4, 1948). And after a holiday in Suffolk, he wrote (4 July 1950) of the very fine Pakenham tower mill of 1831:

All the sails were off Pakenham, as both stocks were cracked. We took out the weatherbeam after lifting the windshaft with shear legs and then shoring it up and chaining it back to the tail beam (in order to remove the shear legs, which were standing on the weatherbeam). I didn't see the new beam put in. It is crescent shaped, made from African timber brought into Ipswich by boat [a little sketch draws it as the segment of a 17' radius circle 12' 0" width and 2' 9" from centre of chord to circumference]. A stage is to be built round the cap, the same as Wendover [tower mill, Buckinghamshire], and the new stocks will be from Skinners Mill, Stradbroke, and Thurston Mill. Mr. Clarke is makmg a new sail and overhauling the other three.

In its former state, without cap stage, the mill comprises the frontispiece of Wailes's *Windmills in England* (1948); an excellent photograph of it fully restored, with four patent sails complete with all their shutters, appeared in *The Times*, Saturday, July 29. 1950; which was the state I saw it in, but with shutters closed, in August 1950, just working in a marginal wind. On 30 July 1951, Denis Sanders found it running in an easterly wind, and he wrote (notebook 34): "A good job has been made of the new weather beam, Put in last year by Amos Clarke of Ipswich. It looks very nice indeed." The mill is preserved today in working order. It is five floors high, has never had a stage round the tower and therefore was built for patents from the start.

A miscellany of other material includes copies of the 1951 architect drawings of Shiremark smock mill, Capel, Surrey, reproduced in Farries and Mason (1966), and a semi-popular MS account by Denis Sanders of Henfield post mill, Sussex, based on his 1945 field notes (notebook 12), written after its demolition on 21 October 1953. He describes a compound post made up of four long pieces of oak pinned together, 36" square at the base, and 24" in diameter at the top. In August 1956 he found the site completely cleared (notebook 68).

There are a handful of references to photographs in his earlier fieldnotes, but Denis was not a photographer, indeed I never knew him to take a photograph; nevertheless, there is an interesting little collection of photographs (none by him), copyprints and postcards. All are of Sussex windmills, except for two watermills, and for three enprints of the ruinous Danzey Green post mill, Warwickshire, on 1 May 1965, not long before its dismantling in 1969 for rebuilding in the Avoncroft Open Air Museum, Bromsgrove, Worcestershire.

On an SPAB mill tour on 23 May 1970, Denis saw the rebuilding in progress (notebook 134). The re-erected trestle came from Baxterley mill, Warwickshire, its two cross trees bowed over and under each other, their ends largely spiced, the whole very nicely done. The new brick (load-bearing) roundhouse was being built round it. The skeleton body had been reconstructed, standing on plates in a field, re-using most of the old timbers. The left sheer (both very stout), breast beam and a transverse main member of the breast framing at the stone floor level, were new.

Many cap spars were nearby, some with new top and bottom pieces spliced on, these very small indeed-every ounce of usable old stuff is being retained apparently-I thought they were cutting it a bit fine in places.

Near the body lay the crowntree on its side, showing its pintle hole, and a four-piece dead collar, like Outwood's (to fit round the post between quarter-bars and sheers). Various items of mill work lay around, including a wood windshaft with iron poll and with a new tail end spliced on. (Only six days later, on 29 May 1970, the body with the crown tree held in place-for when a mill buck is built up on the ground and not hung round the crown tree all the stresses are reversed-but still without cladding, roof or plant, was lifted up by a crane and "threaded on to the post rising above the roofless roundhouse, the dead collar having been first laid on the tops of the quarterbars). On the same tour (23 May), Denis visited

the Great Alne workshop of Derek Ogden, and saw the new parts for Chesterton tower mill. Warwickshire (see *Trans.*, xxviii (1951-53), p.233f and plates). "The new lantern pinion wallower" was "the object of much attention and photography."

The Sussex windmill photographs include Henfield post mill, one of it in working order and already capped by the *little* turret on its roof ridge, several of it in various stages of dereliction through to a ruin, and one of it collapsing in 1953 (also reproduced in the *Sussex County Magazine*, January 1954, p.48). There are two copy photographs of the Henfield, Nep Town post mill, blown down" in February 1908. There are three typically excellent H.E.S. Simmons photographs, of Bodle Street Green post mill in 1931 (pulled down by 1936), of Stone Cross tower mill in working order with two sails in 1935, and of Playden post mill, Sussex (near Rye), n.d., derelict but fairly complete, With four rather tatty spring sail frames. It was an example of a Sussex post mill clad with metal plates, and though it survived the War till c.1950, it is not mentioned in Martin Brunnarius's *Windmills of Sussex* (1979). There are several good Pictures of the long gone Rustington post mill; two quite good ones of the derelict Jolesfield smock mill in December 1942 (gone); a copy photograph of Atfield's cement mill, Arundel, destroyed by fire c.1890, a groundsailer tower mill with four cloth sails and fantail: and a copy photograph of the little self-acting Preston Place Farm mill, Angmering (gone), probably a licence-built example of the first successful American wind engine of Daniel Halladay (not to be confused with his 1870s Halladay Standard segment windwheel), patented in the U.S.A. in 1854 and in the United Kingdom and elsewhere in 1855, in working order with eight solid, feathered blades and (an English feature) a fantail. The blades were removed c.1931, and in 1952 I saw it standing dismantled much as it appears in Peter Hemming, *Windmills in Sussex* (1936), opp. p.97. Denis Sanders's notebooks 75, 81, 95, 97, contain notes of 1960, 1962, 1965, 1958 on it, largely, perforce, on the structure. For a second, unidentified example see David Henry, *Wind and watermills of Rutland*, Stamford, Lincolnshire: Spiegl Press [?1988], (Rutland Series x), p.2.