WEALD IRON RESEARCH GROUP

Winter 1973/4 scheme for revising information on water-powered sites included by E. Straker in Wealden Iron (1931).

The following points are designed to produce a rapid survey of these sites, many of which have not been visited in recent years. You will be aware that Straker's site-comments were unsystematic, and, beyond this, modern developments such as tree clearance or planting, bulldozing, or building, have made major changes.

Please ensure an adequate National Grid Reference.

1. Name of site. State if that used by Straker is in any way misleading.

or Hors burne Hammen, Fu . Fo.
National Grid Reference (2 letters, 6 figures).

WI P447-8

9104 916403 SU 9204124

State problems of terrain or land-use. 3. (If the name of owner and tenant is easily available, this could be useful.)

Main road

& Ridle path

Features on the ground. Main Dam Length '

750ft = 117 = 100m.

Height (estimate from both upstream and downstream sides if possible.)

108

Condition (i.e. gaps, erosion etc; are there any good cross-sections in bulldozed gaps? If so, do these show the construction materials used at different stages?)

Doner Mere, Frequently repaired and now in some state of unlability

Pen-ponds - is there any evidence for dams upstream from the main supply pond?

See connect

Mine pits - are there any close by?

No

The area below the dam Clear indications of buildings, wheel-pits, sluices, etc.

Danen Mere Several depression 2 generally manding ground at M and. Small whice with penstook below lay done to present oppillions Harmor Poul - completely without up.

Surface irregularities

Original spilling at Southern and sep. from rest of site by

- 5. Slags and cinders. (Keep samples.)
 Blast furnace slags (glassy). How much?
 What is the general colour range? (In particular are there significant quantities light in colour?)
 - Forge cinders (generally rusty, bubbly, but varying widely in form.)
 How much?

Forms comented ledge in present opelluary I large fragment 14t him

Are there many large cakes (Turnace bottoms") over, say, 18"x 18"?

- Ore any scatter?
- Purple shelly limestone any?

Other surface finds (pottery, clay pipes, timbers, etc.) Note these

6. Are there any buildings, industrial, domestic or agricultural, apparently dating from the likely period of the site? Note briefly.

7. Has the site been re-used (e.g. corn or fulling mill)?

8. Do you know of any published or unpublished excavation which may have taken place? Note details, in particular of the excavator and location of finds in the case of unpublished work.

 N^{ω}

9. Is the site apparently threatened in any way?

Mrs.

10. Do you know of any documentation missed by Straker? State details and whereabouts, if known.

M

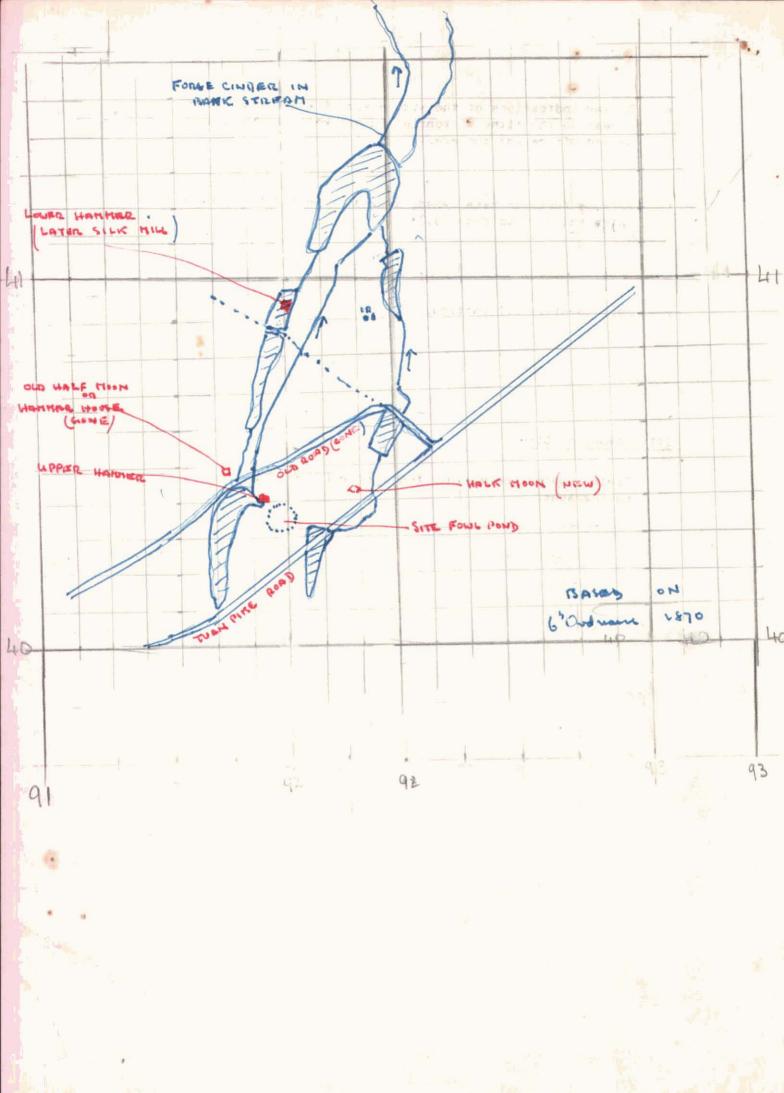
11. Other comments.

A series of pen poinds, from above Cosped House, finally terminated in Danver Were. Another series in associated with the Southerly arm of this last.

The Hammer Pond, which appear to be out in too by the main road, orms in the middle of the first series of ponds and there is a Reet numine army down between the arms of Dansen were but which terminates in a natural gully feeding the Mare:

The logical explanation of these complex worker and also this confusion of names - in that these are two hammer obtain. The earlier mite, being at the Hammer Porch, subsequently back to brill an extended tail race to over come noted backing up from the leglect you poul of the large site

cide in Bank of stream below bay when is note of The Pond. onzinally much larger No formace May found



- e. Do any indications of the site e.g. field names, ponds, appear on the tithe appropriation map kept in the County Record Office for the area?
- f. Persons found to have owned, leased or worked the site (with dates and maximum details.)
- g. Supplementary information.

III. Layout of Site

Please sketch the visible features and attach any relevant photographs.

Shoulen 447-8

This is a comparing series of rates own to hundredge changes armed then were in operation. Men finds, williamly Warrier More been made and the old hundred Ports mouth wood straightened by a through during there were 3 brownship notes and bornely on Lt. (Information main from JE. Petter, we published HS.)

- Bay L. 117 m. H. 3 m. was note by W. street entering Warm Here.

 With rystem. Pour willed up. 800 m llurand rurry N &

 the E. street entering Warren Here may not be

 hundry)

 contempore. Fourt band a broker few band.

 Working area. Fourt band a broker few band.

 Force and found
- 2 Lower Hammer. Forge. SU 917409.

 Water opten. Uses water for & W. otreme, downtream

 of Uffer Hammer.

 Working area. Forge conder in spellwary.

neme sille mill

3. Horsehane Hammer (Cold Harlow) Forge. SU 920406

Water system. neveral by E. stream. western area. Fore conduct in stream.

4. Forze? SU 920412.

Forze cender dan bem found in the other bank funt.

N. g. Warren Henre

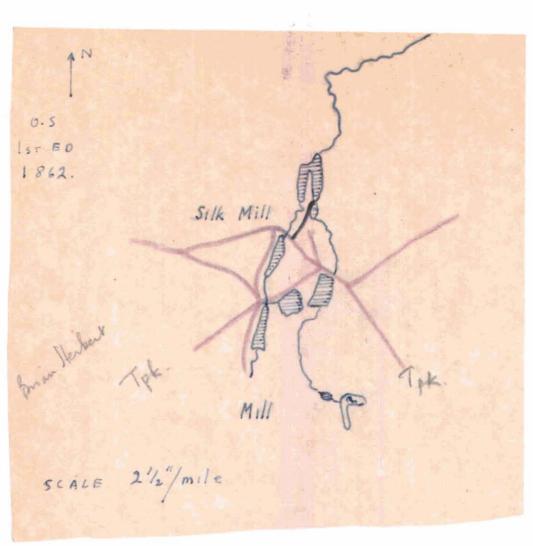
e. Do any indications of the site - e.g. field names, ponds, - appear on the tithe appropriation map kept in the County Record Office for the area?

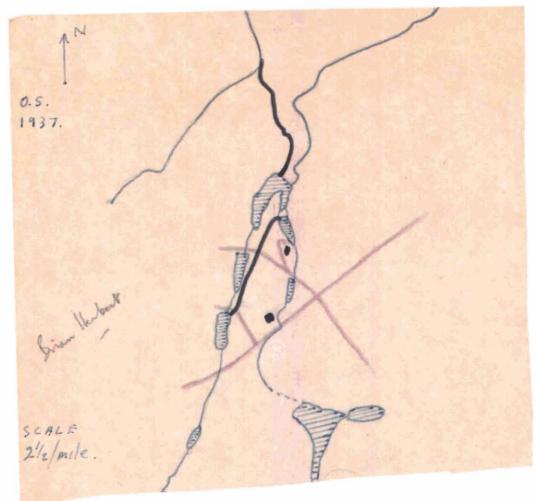


- f. Persons found to have owned, leased or worked the site (with dates and maximum details.)
- g. Supplementary information.

III. Layout of Site

Please sketch the visible features and attach any relevant photographs.





THREE STURS I. a) Upper Hammer (finery and furnace) THURSLEY: b) Lower Hammer (forge, later Silk Mills) THURSLEY. c) Cold Harlour or Horsebane Hammer (below New Pond) WITLEY (forge) My comments II. GRID REFERENCES In fact at tail-end of Straker SU915401 Hammer Pond (Upper) Hammer Pond Why didn't he give ref. for the Silk Mills site (Lower Hammer)?

SAD 1) 91494014 Hammer Pond In fact at tail-end of (Upper) Hammer bond. 2) = Lower Hammer 91704078 Pond Bay, Forge 91554036) Tuo Hammer 3) In fact Fowl Pond: 3) 91684075) Ponds possible pen-pond to Upper Hammer. 4) Apparently an alternative reference for Lower Hammer. c) WIRG 920413 Forge site In fact refers to Forked (the only?) Pond downstream; this was a stew pond: a document of 1666 says of it: "lyeinge belowe the said hammer". 3 d) JP with help of B. Herbert Maps etc. give "Hammer Pond" 91604030 Upper Hammer l) just above. A recent visit showed no slag or cinder but much building waste. was on EAST side of the head as fipld-names and maps indicate. 91524078 Lower Hammer, later Silk Mills Forge Cinder in leat (spillway or head-sluice?) 91554036 Fowl Pond, possible pen-pond to Upper Now dry and bay-remmarts minimal. Hammer. 92004056 Cold Harbour or Horsebane (band saws

Cold in Cold Harbour. Forge-cinder found in stream.

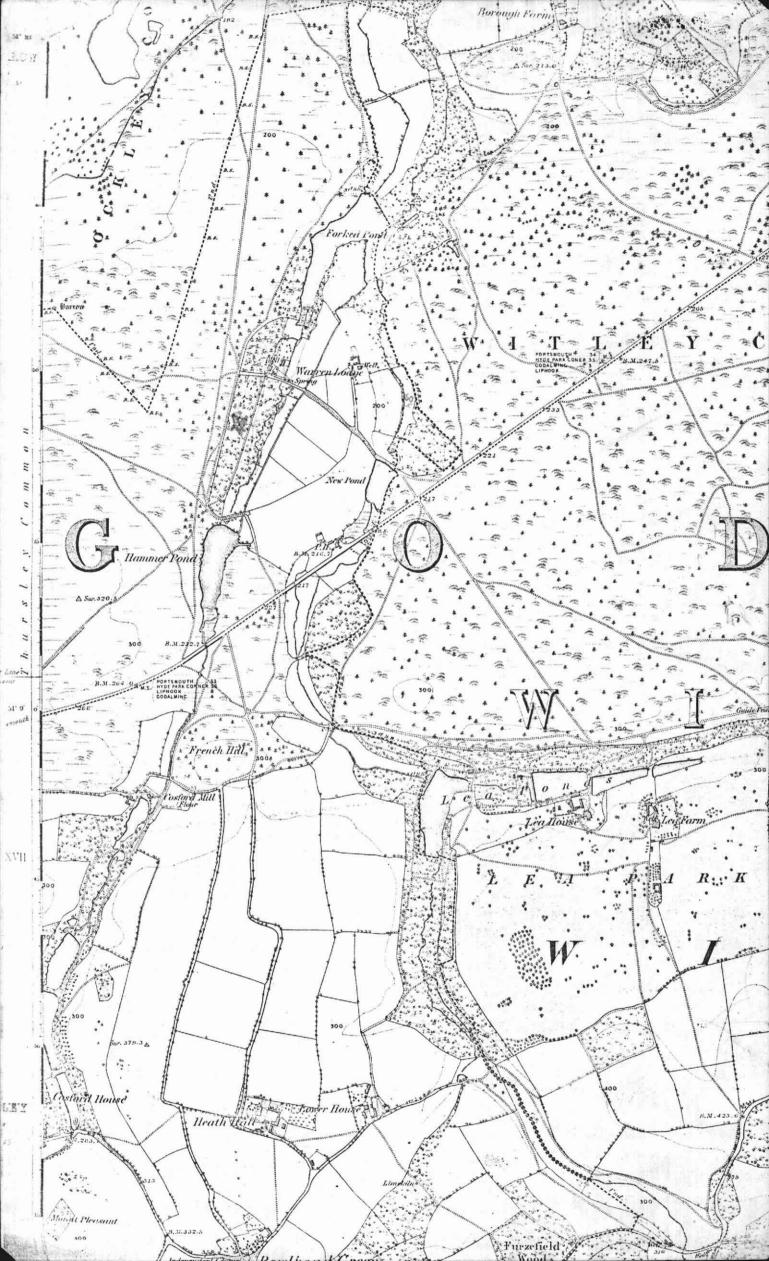
Thus there were THREE SITES. Tithe Maps for Witley and Thursley show Cold Harbour in Witley and CH Wood and Mead in Thursley. This discovery makes clear why the documents or some of them, refer to a site in Witley and Thursley: no other of the sites fits this.

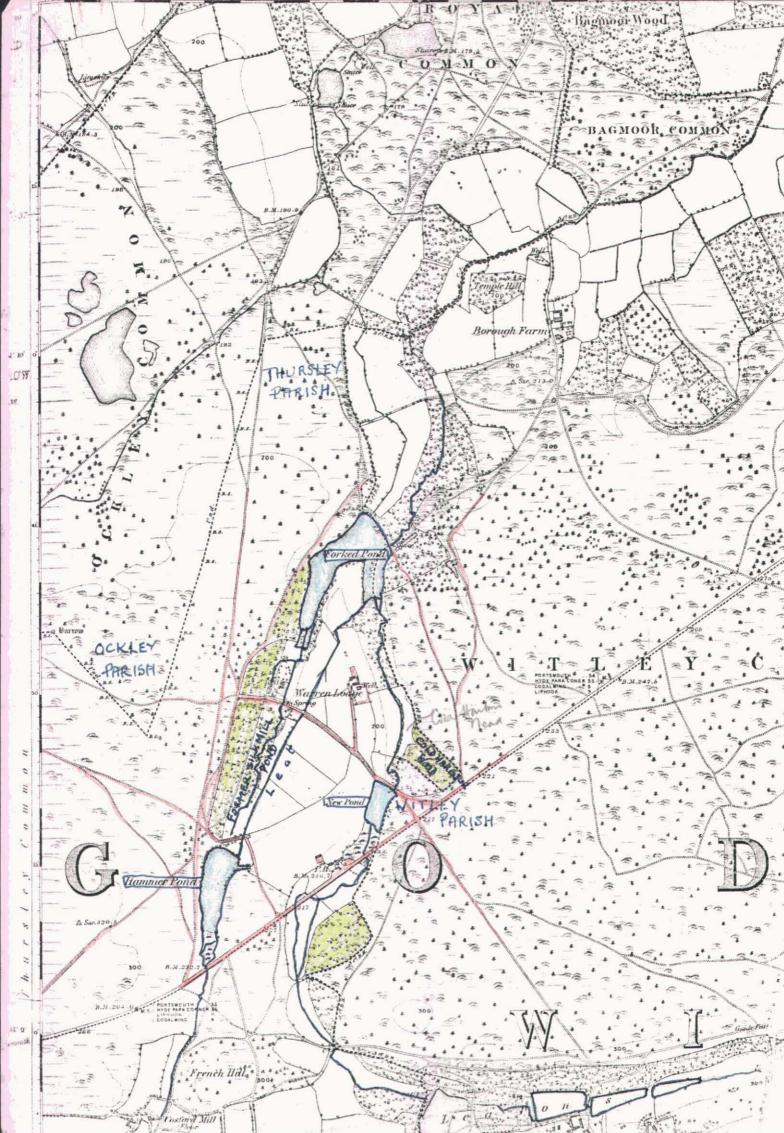
the dialectal increscent (excrescent?) 'd' as in 'gownd' and perhaps

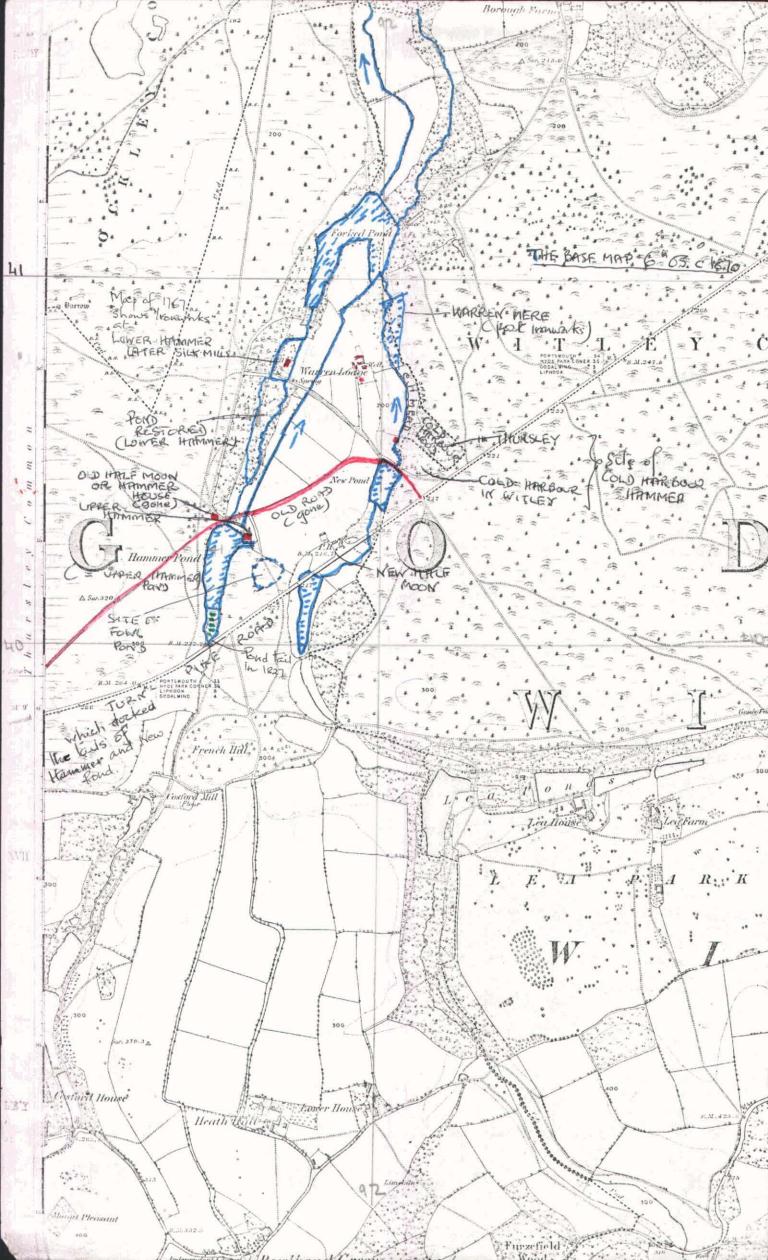
Below New Pond.

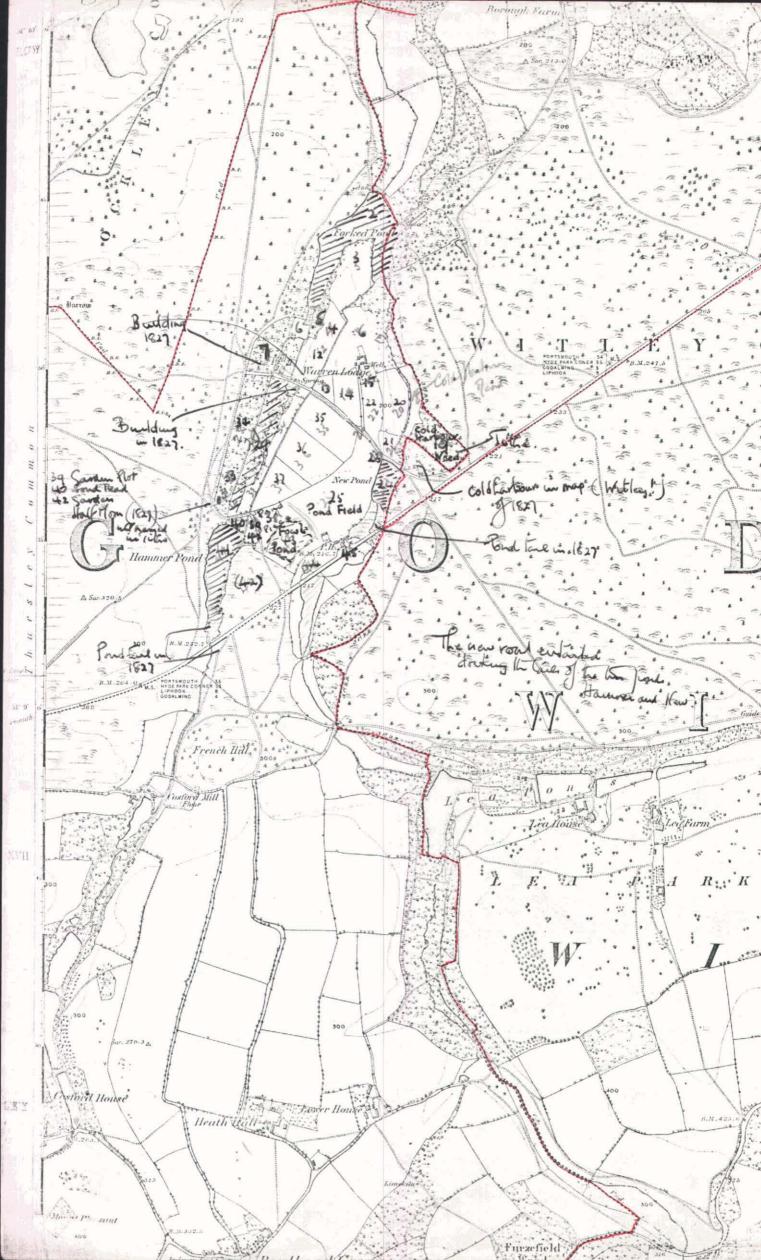
Horsebane is Hemlock water Dropwort, poisonous to animals and causing pala causing palsy in horses. Common so not a diagnostic if found on a site.

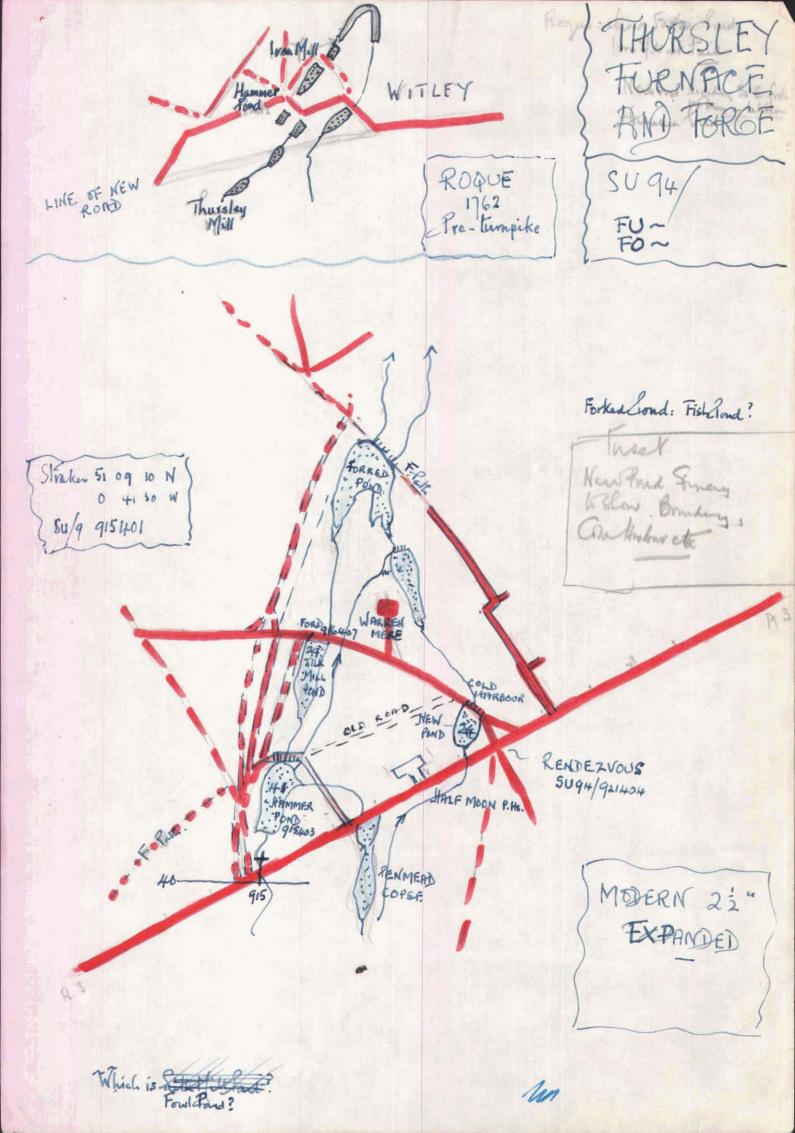
(In fact there is some at Upper Stammen)?.

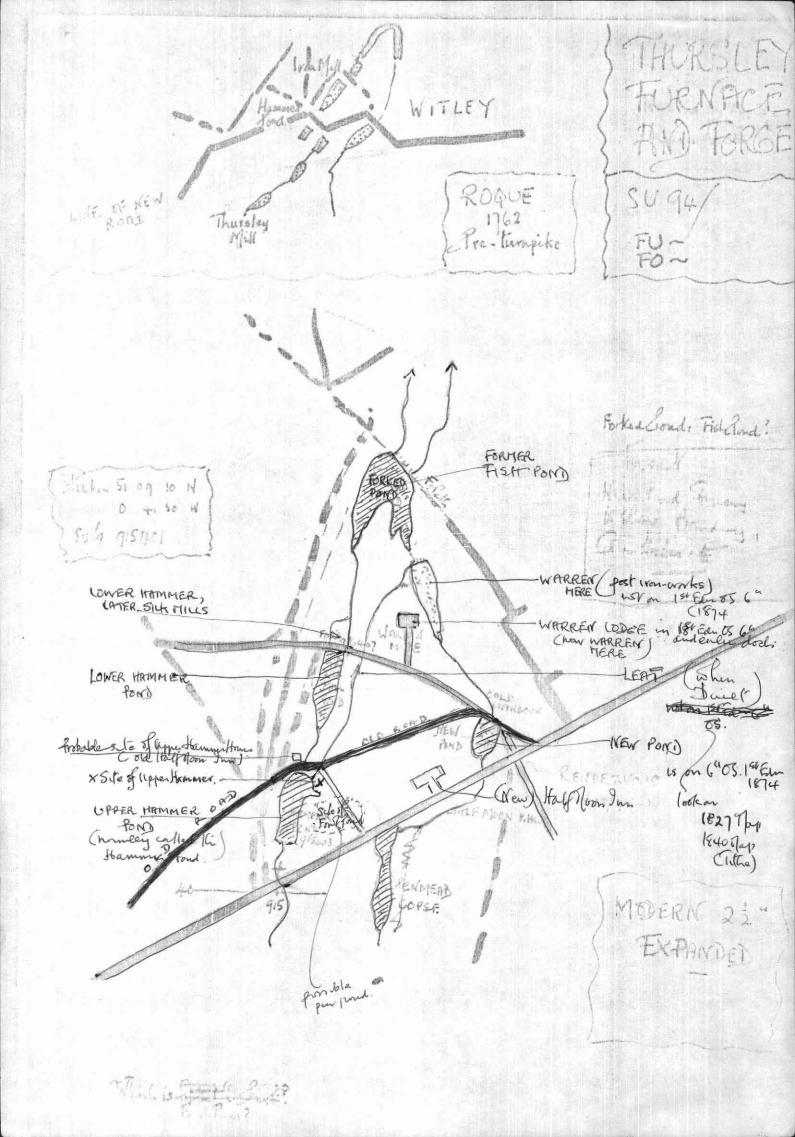


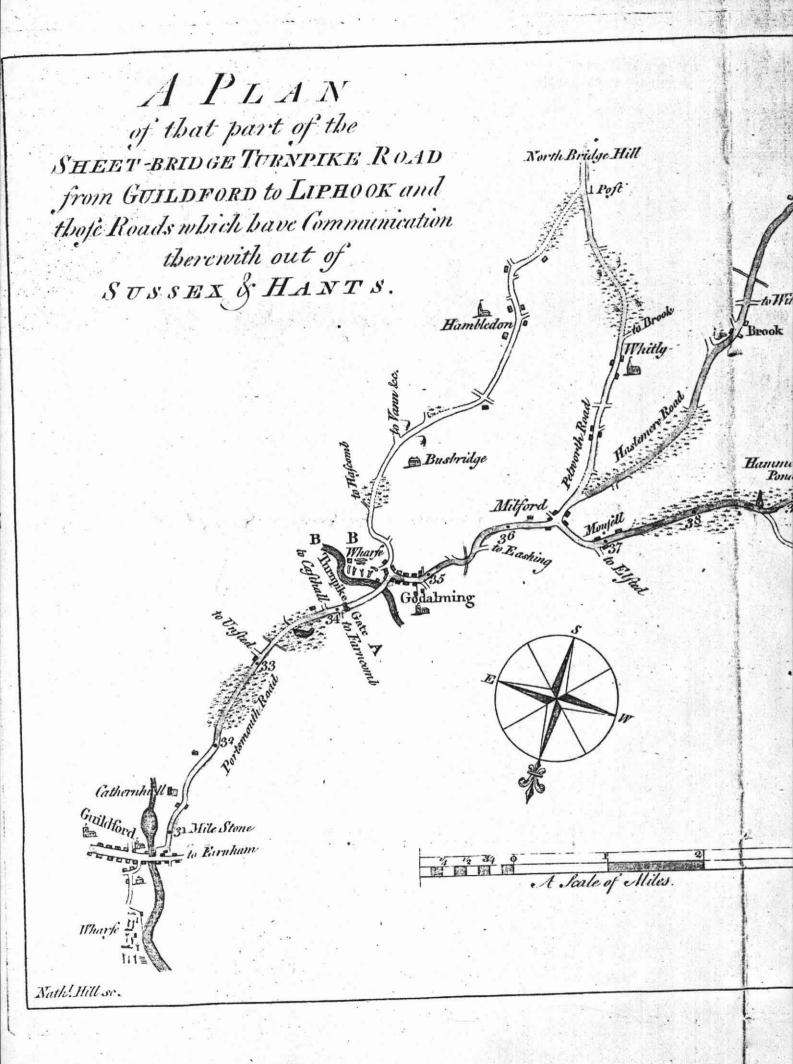












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GUILDFORD MUNIMENT ROOM
CASTLE ARCH
GUILDFORD

LM 1064/9

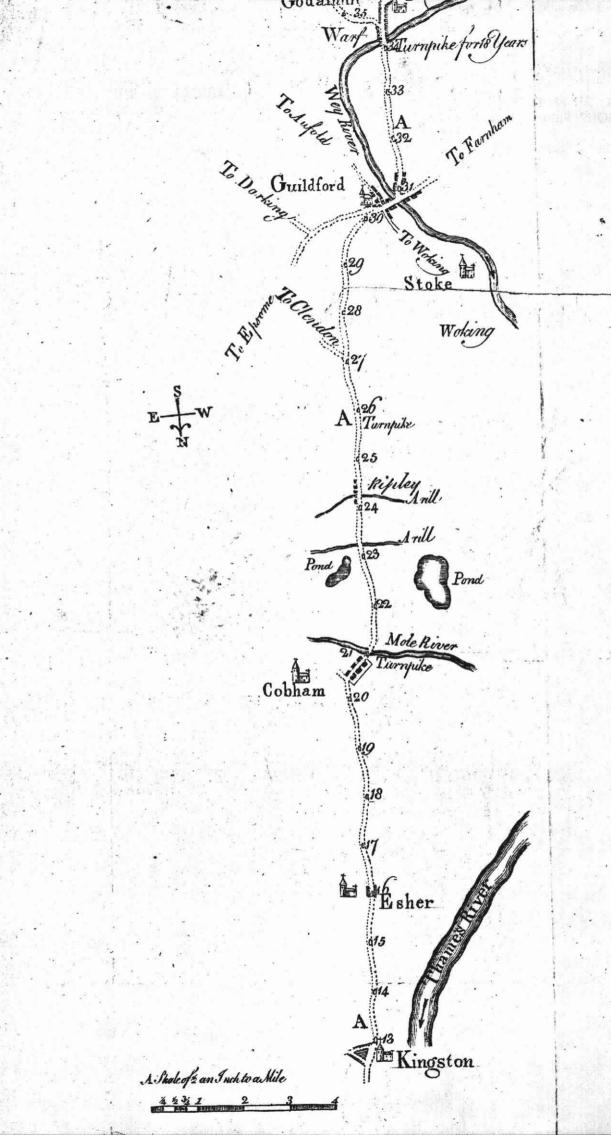
Haslemere Turnpike Gate Liphook Ironworks Tanalar & Radhare Forth to Witley Park ook Portonunth Road Thursley to Headly E PART OF HANTS & Tiljord Elful &c. D 7 Ironworks C

Measurd by Tho! Davis Mar. 1767.

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GUILDFORD MUNIMENT ROOM
CASTLE ARCH
GUILDFORD

LM 1064/9



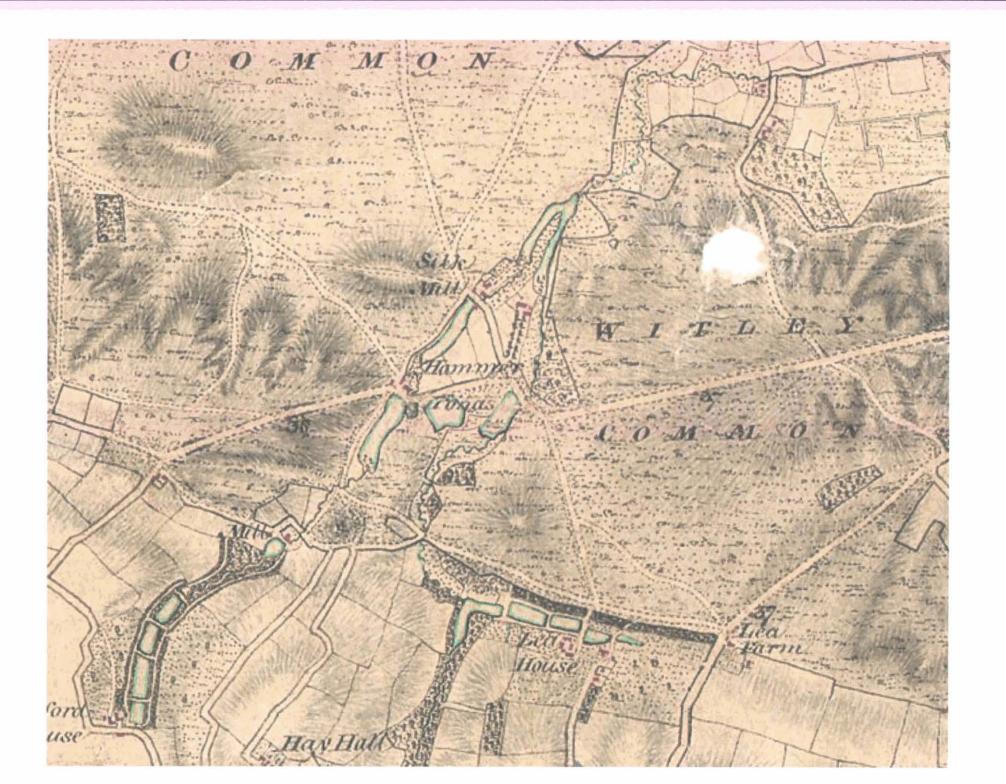
NOT TO BE REPRODUCED WITHOUT PERMISSION

GUILDFORD MUNIMENT ROOM CASTLE ARCH GUILDFORD

LM 1064/6

Dungton Hill Turnpike Rother River Dungton Rother Bridge Tumpihe Douglass lake Turnpike Petworth 19 Turnyuke Liphook Turnfike +48 Iron Works Lurgasale To Bramshot Woodner Forrest North Chapple B Bleubel Black Down C Tumpike Halesmere Devils Punch Bowl D Thursley Chidingfold Turnpike Road Lane To Elsted Tumpike W hitley D Moushill Hamilton Millford

Warf



Surrey History Centre, LM/349/53, 31 Aug 1608 Lease for 19 years

1) Sir George More of Loseley 2) Edward Parker of Waverley, gent. Iron works newly erected on waste ground at or near Burnt Mead, Witley; also pond, streams etc, ground for dumping coals, sows etc, and cottage for workmen.

Surrey History Centre, LM/349/100/1, 15 May 1614

Copy of bargain and sale

1) Sir George More and Sir Robert More 2) Henry Bell of Rake in Witley parish, esq. Manor of Witley with the Court House and all appurtenances and meadow called the Lords Pond, crofts called Bedells Croftes, meadow called the Lords Mead, all manorial rights and profits of court. Iron forges on Witley alias Thursley Heath, workmen's houses, ponds, watercourses, etc, places used for laying 'coals, sows, cinders', and free ingress and egress to and from the iron works, all reserved. Consideration: £1,100.

TNA Close Roll, 15 James I, p. 24, No. 1; 17 December 1617 Mortgage

Sir George More to Henry Bell (cites deed of 14 May 1610 in which ironworks are leased by Sir George More and Sir Robert More, his son, to Sir Edward More for 10 Years at £95).

Surrey History Centre, G5/2/326, 17 Dec 1618
Bargain and sale (confirmation of indentures of 14 May 1611)

- 1) Sir George More of Loseley
- 2) Henry Bell of Rake.

An iron forge, hammer etc on Witley Heath

Surrey History Centre, G5/2/289, 24 May 1620

Conveyance (counterpart)

- 1) Henry Bell of Milford
- 2) Sir George More of Loseley.

An iron forge, hammer, etc on Thursley Heath.

Godalming Museum, PWD/7/2/1, 29 March

[dated to 1579 by Godalming Museum but stated to be of 1623 by Giuseppi (1903, 28), which makes more sense as the ironworks were reserved in the deed of 1614 and stated in 1610 to have been 'lately erected and built']

Release of iron works from Sir George More to Henry Bell of Milford

Release from (1) Sir George More of Losely [Loseley], Surrey, knight, to (2) Henry Bell of Milford, Surrey, esq, of an iron forge, iron hammer and iron work in the occupation of Henry Bell, with all the bellows, hammers, hammer beams, sledges, implements, instruments and tools, and all the workmen's houses, backsides and gardens, and all the ponds and other waters, and all the places nearby for laying coals, cinders, etc.

Surrey History Centre, G5/4/51, 12 Mar 1633 Lease for 60 years

- 1) Henry Bell of Milford
- 2) Anthony Smith his nephew.

Forge called Horsebane Hammers on Witley and Thursley Heath

TNA Chancery Bills and Answers, Charles I, C. 1, 15. 12 July 1641 [cited in Giuseppi 1903, 37-42] Lease to Francis Wyatt, then to Peter Courthope and Walter Burrell, sub let to Thomas and James Burrell, brothers to Walter.

Godalming Museum, PWD/7/2/3 [c.1640]

Inventory of equipment and tools included in the lease of the iron works from Anthony Smith [of Rake, Witley] to Henry Penfould, snr, and Henry Penfould, jnr [Lease missing]
With scribbled inventory of 'the tooles which was att the hamers when Mr Dibble left them'
Note on dating: Henry Bell died in 1634, and Smith, his great-nephew and heir, in 1669 (see Percy Woods notes Volume H15).

Surrey History Centre, G5/4/62/1, 3 Jun 1662

Conveyance

- 1) Anthony Smith of Rack [Rake], Witley
- 2) John Barmes of Drury Lane, Middx, cheesemonger, and Henry Sadd of London, milliner, trustees of Smith.

Lands in Witley and Thursley, including court house in manor of Witley; ironworks, furnace, furnace hammers, forges with pond streams, workmen's houses, gardens, commodities, tools and implements belonging to the ironworks; Cony manor; mill in Witley called Rakemill, mill house and pond. Other field names specified.

Godalming Museum, PWD/7/2/4, 1 June 1666

Lease of iron works from Anthony Smith of Rake to William Yalden, snr, of Blackdown, Sussex, with inventory

Lease for two years from (1) Anthony Smith of Rake in the parish of Witley, esq, to (2) William Yalden, snr, of Blackdown, Sussex, esq, of 'all that upper forge and upper finery and the lower hammer chaffery and iron works' called Horsebane Hammer or Cold Harbour Hammer in Witley Heath and Thursley Heath, and the two ponds called the Hammer Pond and the Furnace Pond or Finarie Pond, and all the forge equipment, etc, apart from the fishing rights in the ponds, including making accessible the Forked Pond below the Hammer Pond. Yalden to pay all taxes and dues, Smith to provide wood at a cost of 5 shillings per cord

Attached: Inventory of equipment and tools included in the lease 'to be left ...att thend expiration or other determinacion of the...Lease' (2 copies, 1 of which has become detached).

Godalming Museum PWD/7/2/6, 1 October 1671

Lease of the Newe Pond from Thomas Smith of Milford to Henry Roker, snr, of Witley
Lease for twenty years from (1) Thomas Smith of Milford in the parish of Witley, gent, to (2) Henry
Roker, snr, of Witley, yeoman, of the Newe Pond, at a peppercorn rent, for the maintenance of the
pond.

Godalming Museum, PWD/7/2/5, 1 October 1671

Lease of the Hammer Pond, the Finary Pond and the Fowle Poole from Thomas Smith of Milford to Henry Roker, snr, of Witley.

Lease for nine years from (1) Thomas Smith of Milford in the parish of Witley, gent, to (2) Henry Roker, snr, of Witley, yeoman, of three ponds called the Hammer Pond, the Finary Pond or Furnace Pond, and the Fowle Poole in the parishes of Witley and Thursley, late in the occupation of the said Heny Roker

Surrey History Centre, G5/2/9, 1681 Lease for 6 years for £10

- 1) Thomas Smith of Milford, gent
- 2) Henry Roker of Milford, yeoman.

An upper forge and lower hammer known as Hursbeane Hammer or Coldharbour Hammer on Witley or Thursley Heath and 2 hammer ponds, Witley, etc.

Surrey History Centre, G5/3/97, 2 Sep 1719 Lease (counterpart) for 21 years

- 1) Thomas Smith of Milford
- 2) Thomas Hamshere of Thursley, millwright.

 Messuage and lands, Warren Lodge and the Upper Forge, in Thursley.

FORGE AND FURNACE THURSLEY a) lyper stammer and turnace FORGE b) Lower Stammer, later Site Mills THURSLEY? e) Cold Harbour Hammer FORGE 1608 C.1800 [1805 OSAD: SU. a) 9149 4014 - Hammer Hond b) 9170 4018 - Hond Bay, forge site. = at tail of Upper Ha good = Lower Hammer, later Silk Tills. = at head of a) d) 9168 4075 J Two Hammer : variant ref. for b). WIRG: SU. 920413 = below bay of torked (stew) pond. After examination of maps, documents, sites, compile suggests: COMPILER: (4) 9160 4030 = Upen Hammer - finery and furnace: at east side of head = c) of OSAD. (of OS (Upper) Hammer Pond. THURSLEY 9 917403 = Fowl fond (nowdry): probable supply pond to a) c) 91624078 = lower abammer, later Silk Tills THURSLEY WITLEY - Cold Harbour Hammer in Cold Harbour Wood Mead below d) 92004056 New Lond (Documents mention a forge in Thursday and ? 4) 925413 = forge circler in stream bank below is shall fond, which WITLEY was formerty a stew (tish) good

	FCUN	DING,	LEASI	NG, SELLING 1608-1641
DATE 1579] 1588 1 1605 1606 1610 1617 1617 1619 1620 1620 1622 1629	GMR	6D/WC [SL76] 15,285	MG. MG. Close Rolls 15 Last 24,1, 16 Ser 1,25,23 Close Rolls 12 Jas 1,25,23 Close Rolls 12 Jas 1,24,1 14 Jas 1,24,1 15 Jas 1,24,1 16 Jas 1,24,1 17 porsession Ipm Sevicoil 526,54	NB: ORIGINAL OWNERS: The Moves of Loseley. Confirmation of Henry Bell in accupation - date Witley Manor - no mention of ironworks Martgage of Manor, iron ore and wood excepted Lease of Ironworks, needly exected, to Thenry Bell. Lease of Ironworks lately exected (collect in deed of 1617)
1630			Fireback Chancery Bells and Prisuers Chas I, CI.,	Still at Rake in Wittey "HB 1630 Dispute: tenant of ivenwork complains about action of owner Anthony Smill
			1,2	

	CON	TINUAT	10 N 11	YTC EIGHTEENTH CENTURY	
DATE	GMR	GDING	MG.	OWNERS: The Smalls of 1660 - 1720	
1660			nit	Inventory · probably stacked to a lease of ecurier than 1666	
1666			ve ferenced	lease to Wom Halden of Ironworks	
1666				Inventory attached.	
1671	-	SL.72,78		leave of Hammer lovel, etc by thos. Sunt lo Hy Roper	
				Jewse of New Lord in Willey Do Do. J. Aubrey's reforme to Thurstey Ivanuarks.	
1473				J. Aubrey's reforme to Thursky Ivonworks.	
1681	LM 5/2/9			Garbled version of J. Aubier in the History and Antiqueties of	
1719				Garbled version of J. Aubier in the fisher and transporter	
1720	LM 5/3/97			Garbled version [J. Aubrey in Hagina Extannia: Survey	
1730				Garried version J. Aubray in Majon Drutakhia: Survey	
		4		1. e. uscated into Country's IB. lised by Strater.	
What Aubrey said in 1673: Boot. Lib MS Aubrey 4: A Percombulation of Survey (begin 1673)					
Thursley and Willey: Thursley Toige, & 138					
"In Wythey park are now no Degro. There is Inmoare and two forges At Thursley is					
"In Wyther park are now no Dears, There is Transpare and two forges At Thursley or Chapele belonging to Wyther; two great hammer-fonds belonging to Hr Thomas Smith.					
1 240 16010					
"In Thursley or Wiley parish 2 grent Hammer-mills".					

CARDFOUR

	COMI	INUATIO	N CHR	OUGH EIGHTEENTH CENTURY
ATE	GMR	GD/WC	M6	1762 - 0.1800
762	Gacas 5 CRoque)			Mere representation on maps is not an indication that
	C Roque)			the works were in action. The Rique map shows
			_	"Ivon Tld" at lower site and Hammer loud at letter
	3 m m m m m m m m m m m m m m m m m m m		5. 1	Ste. No Coldharbour
767	LM 1064/9			"figgion[etc]. brought by Water to Godalmuis
			1.794	and carried to the Ivonworks, Manufactured there
			i de la companya de l	and recarred and pay not tolls. " The document is about a project for removing the
			75	Schalming Turnpake.
1768			1 1 1	Straker, op. a.l., 448: "Wrongly won was sent to
				Condon by the [Scalming] cance. No reference given
1800				F. W. Halmo "Statistical Hickory of the transverde" in
		-		I transactions if the Newcomen (ociety q (1926-9), 19.
				One of the acidience sand Thursley was cending iron gards to Hall eat the end of the 18th C. No Hall Record Office las confirmation of this
				gal. to that at the end of the text
			¥.	the over the chief car continue in I have

	CARD FIVE
	APPARENT DEATH - C. 1800 - BEFORE 1805
	GDIWC Tas Malala A Companding of Modern Husbander (1805)
1805	
1	1, 103: "Mr Nalder's craps-mills on Hamme-
1626	pond thee-th.
1838	16,168 Swant of Waven lodge, etc: mass of field-names but no clue on & delig decease of hamme -
	hover to which forge had survived to c. 1800)
	(probably lower Hammer?)
1169	Rates: Thursley: Sy RO 7 46/11
	"Owen knight and Comp: for Ham Vicads.
	"The Smith for Upper Ham" Itoms".
100	No later clue as to Ivenumber. Is Comp: an
1	See also Rabyrlo. Co. ek indication of Company or Companions. If former, les this to only known use in Wealden Jon. No
£1840	Tithe May Schedules: Thursley Wilkey.
C-1640	Tithe I lay 3 schautes: marsley : wilkey.

Tists of (seld names (only in thursday) which with Sound of Warren looks above and OS Maps, enchrime The WI field names of the cloud industries solo.

THURSLEY (. Cold Harbour (on Lausley-Willey) HAMMER FORGE CARD ONE
THURSLEY (: Cold Harbour (on Lursley-Willy) HAMMER FORGE WITLEY J: Hammer (Boundary) -1617? -1660-1666-1681.
Not be confused with the liver and lower
SU: 9200 4056 (below New) Stemmer Sites which were in Thursday only.
DOCUMENTS
1) From Work on Wittey Health 1) GMR/LM/5/2/326. Mortgage (1617)
2) Iron Jorge on Thursley or Wittey Heath 2) Frivate possession (Juiseppi) Sale (1623)
3) Horseband Hammer in Willey death and 3) Chancery Bills Chas I, c.1, 15 (1640)
Thursday Hearth in the parisher of My Thy 4) GD/WC 16,151 Lease (1666) or in one of them (1660)
or in one of them (1660)
by storsebane Hammer al(ias) Cold Harbour 6) Tithe Schedule: Thursley (C-1840)
Hisman in Wy Health and Thy Health or in
both or me of them DOCUMENTS
5) legar Forge and lower Hammer Known as (a) GUILDFORD MUNITHENTE ROOM
Horsebane Ha. or Coldharbour Ha. on Wy or Thy = GMR, including CosciEY=LM.
steenth and two Hamme points b) GODALMING PUBLIC LIBRARY
Wood Collection = GL WC
c) GUISEPPI TRANSCRIPTIONS
M. Guseppi Ruko in Willey - " in SyAC
16 (903). = MG.

HAMMER FORGE TWO THURSLEY L Cold Harbour WITLEY J Hammer SU. 92004056 ARGUMENT) IRONWORKS IN THURSLEY AND WITLEY cannot refer to the Strake Sites OV IN WITLEY which are both away from the farish boundary and well into Thursley 2) COLD HARBOUR HAMMER can only refe to an wonworks on the Cold Harbour Teadow or Wood. 2) COLD HARBOUR WOOD in Os 15 Ed ~ 6 " is shown as a panhandle in Thursley Surrounded on 3 Sides by Willey. This could easily lead to the langer rejetitions about in Thursley and Witley " atc. 4) The alternative hame of thorsebane Hammes indicates the presence of themlock Water Depart which is possure and , enter by horses, causes "palsy" but it is comme ens' not to be a specific argument if found in Cold Harbour area. *

- band is, of course, dialected: compare gowend", "scholard",

WITLEY: at Wavelan House.	BLAST-FURNACE.
Su 927374	
(1) "In Witley Fark are now no Deere. There is Iron-save and two forges". Of is were applied to 7673 nov to 7714 or 17	(1) T. Atubrey op. cit., f. 138 recto. (2) F. W. Halling "Witeley Ivon Furnace in Witeley Park" in Sy AT (8 (1971). 30. 186
(2) Stag in stream; large bay across	(3) B. Worssan
which a footpak formerly van. (3) Notes report of a fumace in Witay in 1784. Holling hinks this dele much too tate.	(4) Tithe: Witten (5) WIRG visit led by F. Holling. (6) Compoler.
(4) No field-name appropriate but The Roughs — see (6) (5) Confirms Holling who found a	
(6) The troughts in Title Schedule are called "Mine-pils" at	
121368, 921369 and 921376 (12.	