

SHORT CROSS AND OTHER MEDIEVAL COINS FROM LLANFAES, ANGLESEY

EDWARD BESLY

Introduction

IN June 1992, the discovery of over one hundred medieval silver coins at Llanfaes, Anglesey, was reported to the writer. The coins, which had been discovered by metal detecting during 1991–2, were brought to Cardiff for recording and possible Treasure Trove proceedings, but the date range of the coins, and the widely-scattered findspots as recorded by the finder, suggested that there was no *prima facie* case of Treasure Trove, a view with which H.M. Coroner for Anglesey concurred. The National Museum of Wales arranged to purchase 86 of the coins – already an unusually rich series for a medieval site – from the finder and one of the landowners concerned. Subsequently, the field which had produced most of the coins was cultivated, and further searching before sowing and after harvesting of a potato crop yielded many more coins, which were again sent to Cardiff for recording. A further 44 specimens, selected to complement the previous group and the National Museum's general collection, were purchased during 1993 and 1994.

In all, 592 coins have been examined by the writer. These are summarised in Table 1, and listed in full in Appendix 1. A further 112 coins, discovered by a number of finders, have been reported independently, but have not been examined personally: many are evidently extra specimens, but it is possible that there may be some overlap with the main list, so these are summarised separately in Appendix 2.¹ These finds have created a single-site series unmatched in size for the period anywhere in Britain.

TABLE 1 Summary of Llanfaes coin finds, 1991–4

	<i>Pennies</i>	<i>Halves</i>	<i>Quarters</i>	<i>Other</i>	<i>Total</i>
Celtic				1	1
Roman				1	1
Anglo-Saxon	-	-	-	1	1
Stephen	-	1	-	-	1
Henry II, Tealby	2	2	-	-	4
Short Cross	173	131	28	-	332
Long Cross	24	106	5	-	135
Sterlings	50	4	3	-	57
Scots	4	11	3	1	19
Irish	3	5	5	-	13
Continental	5	-	-	-	5
Later medieval	8	1	-	1	10
Post medieval	1	-	-	10	11
Uncertain	-	-	-	1	1
Jetton	-	-	-	1	1
Totals	270	261	44	17	592

¹ For completeness, mention should also be made of the 'penny of Henry II, found at Llanfaes, near Beaumaris' and exhibited by the Rev. Dr Jones at the Cambrian Archaeo-

logical Association's annual meeting of 1863, at Kington (*Archaeologia Cambrensis* 1863, 378).

Llanfaes

Llanfaes, today a tiny village, lies close to the eastern coast of Anglesey, on the Menai Strait about one mile (1.6 km) north of Edward I's castle and town of Beaumaris (Fig. 1). In the thirteenth century, Llanfaes was one of five bond townships (*maerdrefi*) in Anglesey associated with the royal court of Gwynedd, then independent of England. According to evidence from the later years of the thirteenth century, Llanfaes was also the commercial centre of Gwynedd: there was a port, a ferry across the Menai Strait, and a herring fishery. It was the main centre for the import of wine, and it has been suggested that some seventy per cent of the Principality's trade passed through the port.² There were fairs, and a weekly market. All of these activities would have encouraged the use (and loss) of coinage as well as raising significant royal revenue. However, following the war of 1283, and the subsequent revolt led by Madog ap Llywelyn in 1294 (during which the church and probably much of the town were burned), Edward I started to build the castle and new town of Beaumaris, and Llanfaes was run down. In November 1295, the market and fairs were transferred to Beaumaris, which received its charter of incorporation on 15 September 1296. The population of Llanfaes was moved to another *maerdref*, Rhosyr, about twelve miles away; as New Borough, this received its charter on 24 April 1303. The buildings of Llanfaes were dismantled and moved to Beaumaris and by about 1405 Llanfaes, apart from the Franciscan Friary near the shore, had disappeared.³

The Coins

The distribution by date of the coins is therefore of some interest in the extent to which it mirrors the known history of the site. Of the very little there is before the Short Cross period, the Gaulish Celtic issue of the Carnutes is intriguing in hinting at continental connections, but other than observing that it certainly seems to be an ancient loss, lack of certainty about the date of its loss precludes further comment. Celtic coins from Wales as a whole are very rare, apart from a trickle of mainly Dobunnic issues from the Chepstow area to the Vale of Glamorgan.⁴ The finding of a Roman coin tells us little in the absence of other contemporary finds. The Anglo-Saxon fragment, found in close association with two later fragments, was probably present as scrap (see below), as may have been the single Stephen, a clipped, folded and worn cut halfpenny. The Henry II 'Tealby' issues are all worn, and may well be residual, or scrap as well, though loss towards the end of their main currency period cannot be ruled out.⁵ Unworn coins are found for the first time early in the Short Cross series, and from issues of the 1180s onwards there is steady representation throughout the thirteenth century, with a large concentration of Short Cross classes V, VI and VII. (The reign of Llywelyn ab Iorwerth ('the Great', d.1240), who acceded to Eastern Gwynedd in 1195 and by 1218 had secured hegemony over the native Welsh principalities, is one of the high points of independent Welsh history.) There are reasonable numbers of Long Cross, and of Sterling down to class 4. The

² The term 'Principality' here refers specifically to that of Gwynedd (north-western Wales) as ruled by the two Llywelyns (c. 1200–40; 1255–82), not the modern sense of 'Wales'.

³ A.D. Carr, *Medieval Anglesey* (Llangefni, 1982), pp. 28, 33, 56–7, 231–8.

⁴ G.C. Boon, 'British coins from Wales', in *Biglis, Caldicot & Llandough*, edited by D.M. Robinson, B.A.R. British Series 188 (Oxford, 1988), p. 92. To the 15 coins listed there may be added four further Dobunnic staters: of ANTED, from Iton, Gwent (*BNJ* 61 (1991), Coin Register, p. 146, no. 59), St Arvans, Gwent (*Archaeology in Wales* 34 (1994), 50) and

Penllyn, Vale of Glamorgan (unpublished); and of CATTI, from Mynydd Twyn-glas, near Cwmbran, Gwent (*BNJ* 61, Coin Register, p. 146, no. 61); a stater of Tasciovanus, from Bassaleg, Gwent (*AW* 34 (1994), 50); a plated 'Whaddon Chase' stater from St Arvans; and a Dobunnic type B silver coin from Magor, Gwent. The last two coins, found in 1995, were shown to the writer in February 1996.

⁵ For an exceptional survival of a 'Tealby' penny in a hoard buried after 1346, see N.J. Mayhew, 'The Aberdeen, St Nicholas Street, hoards of 1983 and 1984', *BNJ* 58 (1988), 40–68, at p. 43.

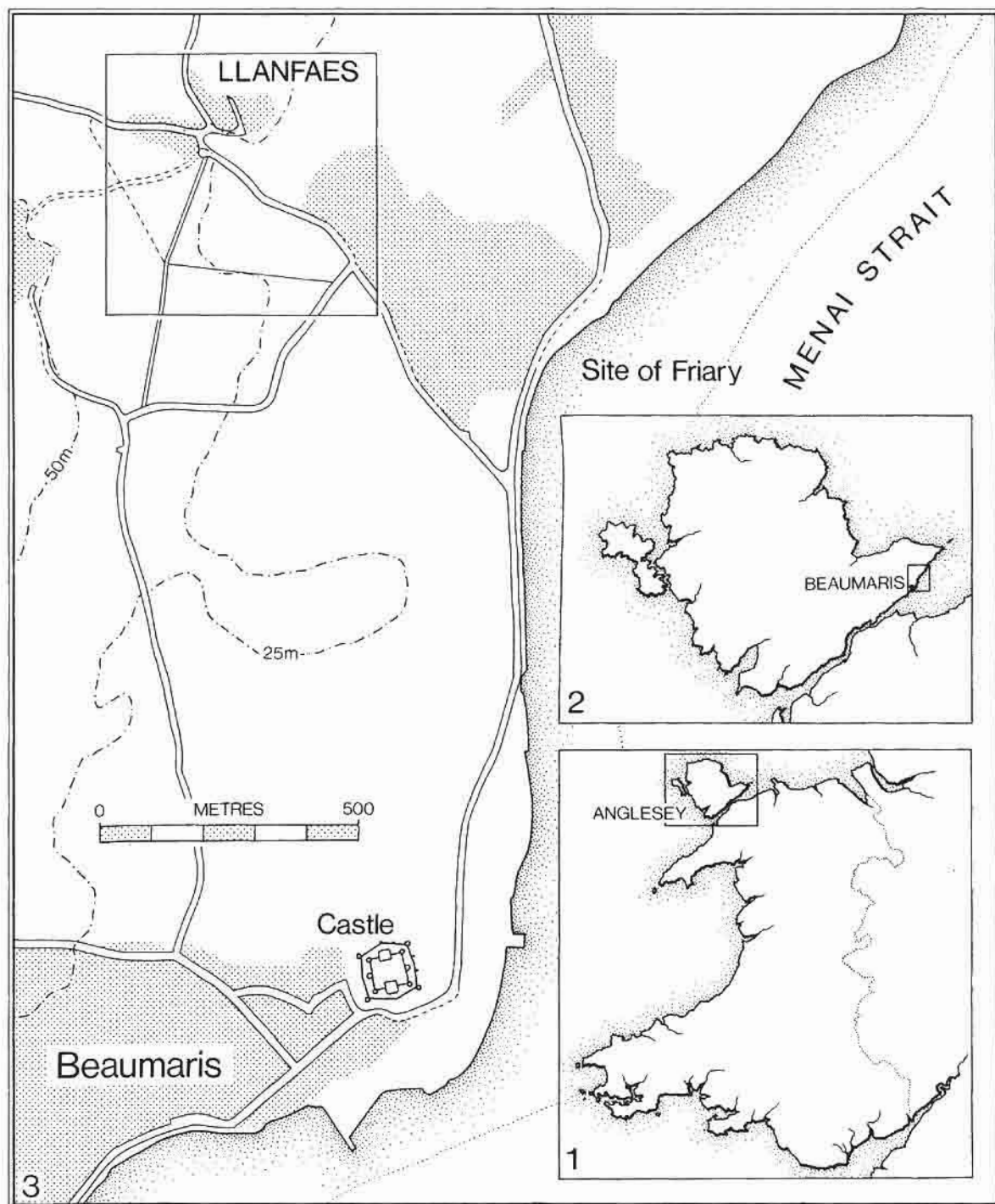


Fig. 1 Llanfaes, Anglesey: location plan.

complete absence of classes 5–8 is of uncertain significance, since these correspond to a period of low mint output, but the small numbers of classes 9–10 and virtual absence of 11–15 argue a cessation of coin use in the first decade of the fourteenth century, at the time when the town is known to have been depopulated.⁶ A trickle of casual losses from the mid fourteenth century onwards presumably originates from agriculture. The Scots and Irish coins tell a similar story, and of the Continental sterlings, none needs to be dated later than 1300. The coin evidence is therefore fully consistent with the history of Llanfaes, where this is known; successive batches of coins examined at Cardiff showed the same general pattern. Unlikely though it may seem at first sight for a Welsh site to produce such a formidable coin list, the casual losses of the thirteenth century appear to have survived at Llanfaes where in most English towns they would long since have been destroyed or rendered inaccessible by subsequent development. The two closest parallels in numismatic terms, Meols in Cheshire and Dunwich in Suffolk, are likewise medieval ports which were abandoned before the modern period.⁷

The approximate findspots for the majority of the coins were plotted by their finders, and the resulting distributions for the three principal coinage periods (Short Cross, Long Cross, Sterling) are shown in figures 2–4. Other finds recovered from the same area included numerous lead weights, derived probably from the attested fishing industry, and small numbers of high-status finds such as gold finger-rings and silver annular brooches.⁸ These and the coins serve the important purpose of putting the lost town of Llanfaes back on the map.⁹ Archaeological survey in neighbouring fields to the west indicates a potential to identify structures and burgage plots, but geophysical survey and trial excavations appear to demonstrate that centuries of agriculture have largely destroyed all but the deepest features in the main field. Bearing in mind this agricultural disruption, and the imprecise nature of the coin plotting, figures 2–4 are at best approximate representations of original coin losses. However, within the main field (the only area to be covered thoroughly) there are visible differences between the currency periods, for instance a noticeable reduction in the area in which sterling pennies are found, compared with the preceding periods. This may be a consequence of reduced commercial activity after 1283, but the high proportion of sterlings in the small number of coins found by limited searching in the field to the north next to the church should be noted.

The sheer numbers of coins found suggest that the area was the site of intense commercial activity – the site of the weekly market and of the Llanfaes fairs.¹⁰ However, not all coin losses are necessarily the consequence of this. A small piece of gold which bears hammer-marks may indicate the local working of precious metals; its composition is consistent with a thirteenth-century date, though this is not certain.¹¹ Two of the coin finds are of interest here:

⁶ See Mayhew, 'The Aberdeen, St Nicholas Street, hoards', p. 49. Table 1; for Scottish sterling hoards there is in general one coin of classes 5–7, one of class 8 and ten of class 9 for every 20 of classes 3 and 4; at Llanfaes (App. 1), the numbers (pennies only) are 0, 0, 5, 26 respectively; or, including Appendix 2: 0, 0, 5, 31.

⁷ Dunwich: E.R.H. Hancox, 'Finds of medieval cut halfpence and farthings at Dunwich', *BNJ* 5 (1908), 123–34; R. Seaman, 'A further find of coins from Dunwich', *BNJ* 41 (1972), 27–33. Meols: D.M. Metcalf, 'Some finds of medieval coins from Scotland and the north of England', *BNJ* 30 (1960–61), 88–123, at pp. 111–14.

⁸ M. Redknap, 'Some medieval brooches, pendants and moulds from Wales: a short survey', *Archaeologia Cambrensis*, in press.

⁹ The route of an oil pipeline laid in 1973–4 passed through Llanfaes to the south of the main field discussed

here. Amongst the finds recovered from a 'watching brief' were 112 sherds of 13th/early 14th-century pottery. R.B. White, 'Rhosgoch to Stanlow Shell Oil Pipeline', *Bulletin of the Board of Celtic Studies* 27 (1976–8), 463–90 at pp. 486–9.

¹⁰ See M. Blackburn, 'What factors govern the number of coins found on an archaeological site?', in *Coins and Archaeology*, edited by H. Clarke and E. Schia, BAR International Series 556 (Oxford, 1989), pp. 15–24, particularly p. 18. It may be noted that for the Short Cross, Long Cross and Sterling periods, the total face value of the coins listed in Appendices 1–2 is a little under £2. If these were used and lost during the period c. 1200–1305, average annual loss rates are approximately 6d (1200–50); 3½d (1250–80); and 3d (1280–1305).

¹¹ M. Redknap, 'Some brooches' (note 8), especially Appendix 1 by J.P. Northover.

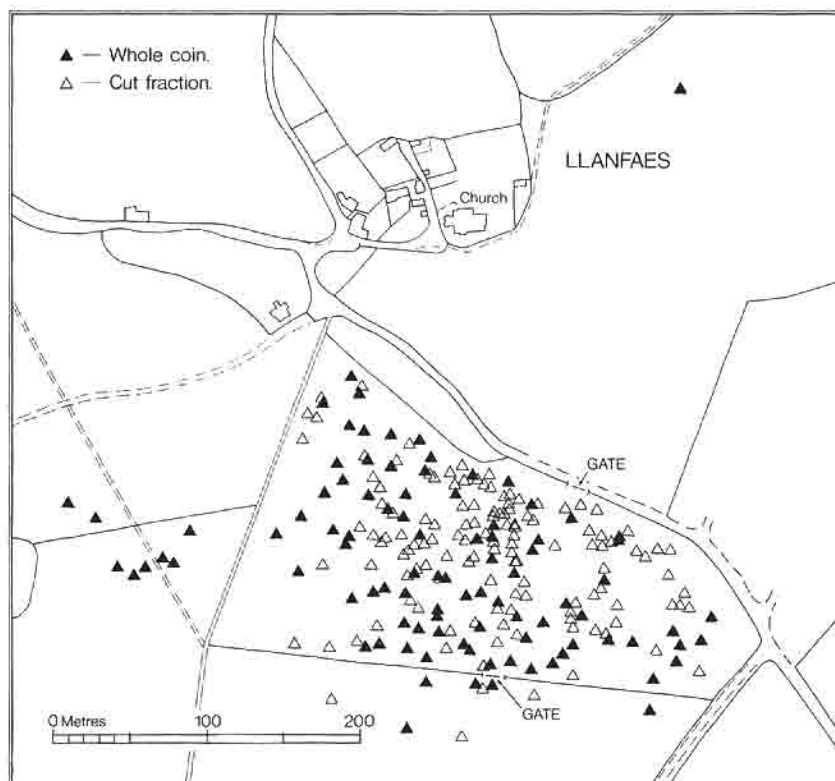


Fig. 2 Distribution of Short Cross pennies and fractions.

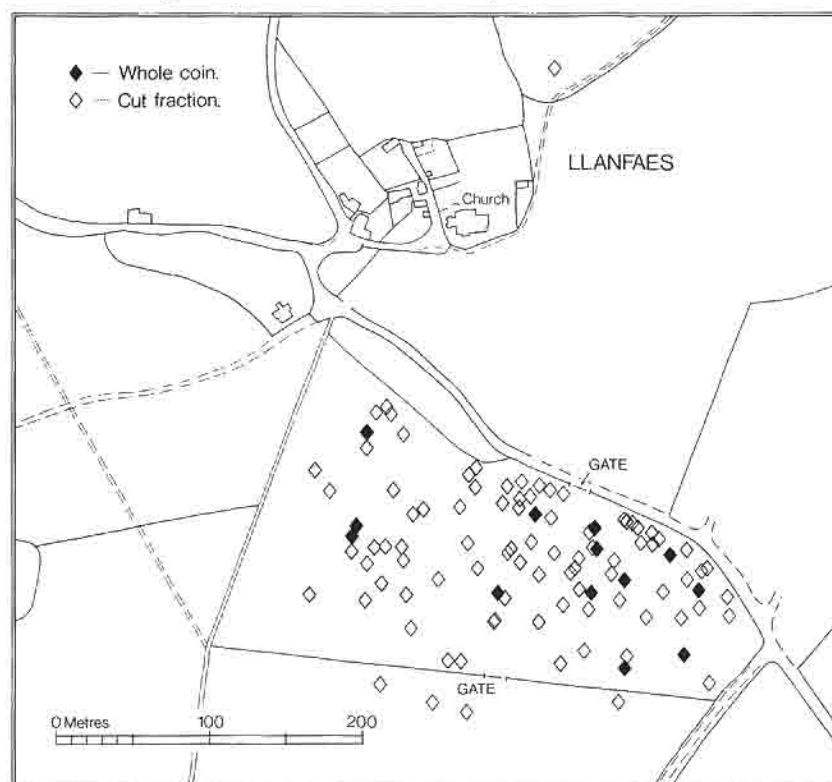


Fig. 3 Distribution of Long Cross pennies and fractions.

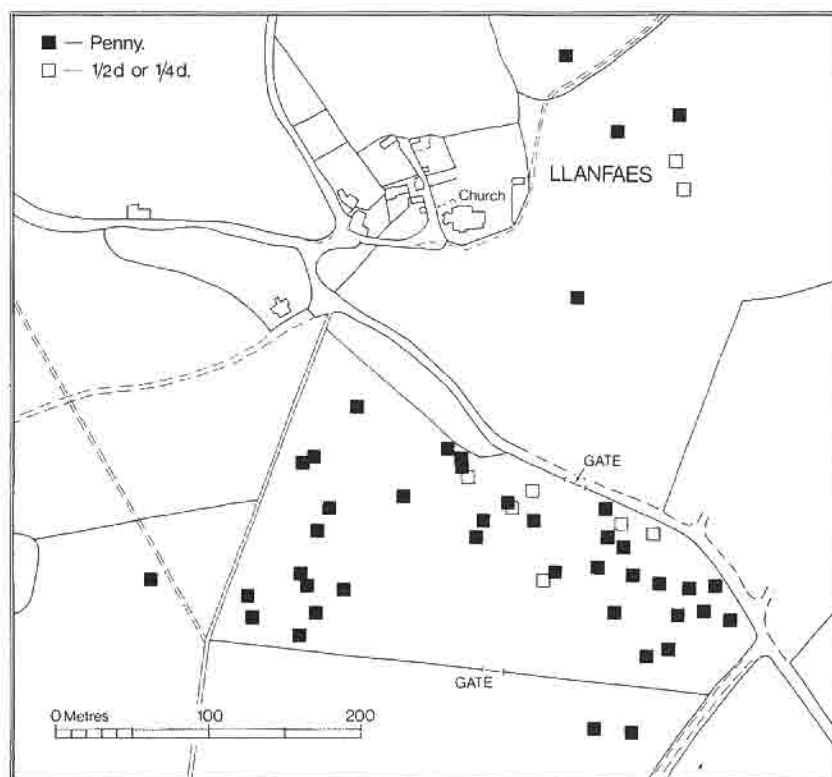


Fig. 4 Distribution of Sterling pennies and fractions.

three fragments of differing dates (nos 3, 336 and 450) were found together and submitted as a single object, while a worn short cross cut half (no. 169) was found wrapped round two illegible silver fragments. These two discoveries may indicate that some at least of the older and fragmentary coins were present as scrap silver. A non-commercial use may also be suggested for a sterling of Alexander III of Scotland (no. 570, see p. 59), though not necessarily at Llanfaes.

Short Cross coinage

Short Cross coins form over half of all the Llanfaes finds and cover the whole period 1180–1247. Although there may be some groups present from small scattered hoards (especially, perhaps, of class VII, which included a number of well preserved, unworn and similarly patinated examples), the coins appear overall to be a sample lost from currency over several decades. All classes are represented, and early types (I–IV) are present in some strength. The states of wear of the coins vary considerably within each class: some were lost or deposited after little active circulation, others are distinctly worn. Classes I–V show a consistently high proportion of cut halves and quarters, abruptly reversed for VI and VII. This may represent the possibility of hoard groups within the later classes, but it is also possible that disproportionate amounts of earlier coins were cut into fractions, which then continued to serve as small change alongside later classes, or that older coins continued to be cut in preference to the more recent.¹²

¹² Two of the five cut halves in the Wrexham hoard, buried in the 1240s, were from coins struck before 1205, both worn:

G.C. Boon, *Welsh Hoards 1979–1981* (Cardiff, 1986), pp. 105–109.

There are very few unworn cut fractions. Small numbers of unworn coins of classes I–IV seem to indicate that coin use on the site was established by the last decade of the twelfth century, or the first decade of the thirteenth. The relatively high overall numbers of classes I–V, when compared with those in hoards buried in the second quarter of the thirteenth century (Table 2), support the notion of active coin use and loss at Llanfaes during the first quarter, but there seem to be few reliably recorded British hoards of suitable size, buried c. 1200–25, to provide appropriate comparisons, or to quantify the effect of the renovation of 1205 on the overall circulating medium. The proportions of classes I–IV in these and later hoards can vary considerably.¹³ The evidence of stray finds from the rest of Wales, mainly the ‘anglicised’ south and west (Table 2 and Appendix 3) shows a more even coin loss profile, with a higher proportion of classes I–IV (and hence more firmly established coin use in these areas before 1200?) than for Llanfaes.¹⁴

Including the penny from Kings Lynn reported in Appendix 2, fifteen of the twenty-one mints of the Short Cross period are represented at Llanfaes. The distribution by mint and type of the coins examined at Cardiff is summarised in Table 3.¹⁵ Apart from the significant impact of Rhuddlan (see below), the proportions of the various mints in different types appear to be reasonably consistent with groups reported elsewhere.¹⁶

TABLE 2. Short Cross: 13th-century British hoard and finds groups

		I–IV	V + VI	VII	VIII	Total
Clifton		4	31 + 18	8	-	61
	%	6.6	50.8 + 29.5	13.1	-	
Eccles, c. 1230		200	2,520	2,730	-	5,450
	%	3.7	46.2	50.1	-	
Colchester		1,198	3,179	6,195	-	10,572
	%	11.3	30.1	58.6	-	
Wrexham, 1240s		8	5 + 3	50	1	67
	%	12.0	7.5 + 4.5	74.6	1.5	
‘Naxos’		57	178 + 112	672	274	1,293
	%	4.4	13.8 + 8.7	52.0	21.2	
London, Vintry		24	22	6	-	52
	%	46.2	42.3	11.5	-	
Llanfaes		67	91 + 42	85	5	290
	%	23.1	31.3 + 14.5	29.3	1.7	
Wales, general finds		20	10 + 11	18	1	60
	%	33.3	16.7 + 18.3	30.0	1.6	

(Figures exclude uncertain)

¹³ See also, J.D. Brand, ‘The British coins in the Gisors (1970) hoard’, *BNJ* 40 (1971), 22–43, Table V on p. 29.

¹⁴ Additional references for Table 2: Clifton: R.A.G. Carson, ‘The Clifton (Lancashire) find of Short Cross pennies’, *NC* 1947, 80–2; Eccles: Lord Stewartby, ‘English Short Cross coins from the Eccles hoard’, *NC* 153 (1993), 137–51; Colchester: summarised by J.D. Brand, ‘Gisors hoard’ (note 13), Tables III, V; Naxos: Lord Stewartby, ‘The “Naxos” hoard of thirteenth-century sterlings’, *NC* 154 (1994), 147–66; Vintry: finds seen and unpublished m/s record at B.M.; Wales, general: writer’s finds records, N.M.W.

¹⁵ The figures in Tables 2 and 3 do not distinguish pennies from cut fractions and are therefore an indication of the

number of individual specimens represented; no case was found of two cut fractions deriving from a single original coin.

¹⁶ For types I–IV see, for instance, Bainton, Scotforth and Wainfleet (M.M. Archibald and B.J. Cook, *English Medieval Coin Hoards* vol 1 (BM Occasional Paper, forthcoming)). These type IV hoards show variable proportions of Canterbury (which did not produce type I), depending on the circumstances of hoarding (4.5–34.5%). Llanfaes, where Canterbury accounts for 15.5% of types I–IV from identifiable mints, is closer to the groups in 13th-century hoards such as Eccles (15.3% of Evans types 1 and 2) or Naxos (17.5% of types I–IV).

TABLE 3. Short Cross: distribution by mints (data from Appendix 1)

Mint	I-II	III	IV	V	VI	VII	VIII	i-v	?	Total
Bury	-	-	-	-	-	1	-	-	-	1
Canterbury	-	1	8	19	9	55	3	-	-	95
Carlisle	1	-	-	1	-	-	-	-	-	2
Chichester	-	-	-	2	-	-	-	-	-	2
Durham	-	-	-	-	-	-	-	-	1	1
Lincoln	1	-	-	4	-	-	-	-	-	5
London	18	4	13	38	30	28	1	-	8	140
Northampton	2	-	-	2	-	-	-	-	-	4
Norwich	-	-	-	3	-	-	-	-	-	3
Oxford	1	-	-	1	-	-	-	-	-	2
Rochester	-	-	-	2	-	-	-	-	-	2
Winchester	4	1	-	4	-	-	-	-	-	9
York	2	-	2	5	1	-	-	-	-	10
Rhuddlan	-	-	-	-	-	-	-	24	-	24
Sub-total	29	6	23	81	40	84	4	24	9	300
uncertain	4	1	4	10	2	1	1	-	6	29
Counterfeit	-	-	-	-	-	-	-	-	3	3
Totals	33	7	27	91	42	85	5	24	18	332

Three Short Cross coins are counterfeit: a farthing of 'Ali(sandre)'; a cut half 'Vb/Va mule' of 'Canterbury'; and a whole penny of 'Iohan of London'. All are likely to be of German origin and belong to a single group (RE) which copies models of classes Va and early Vb.¹⁷ The 'Alisandre' farthing shares the reverse die of RE 2iii, from the Loxbeare hoard (c. 1215); the other two are die-duplicates of RE 1 and 5.¹⁸

Rhuddlan

The twenty-four specimens of the Short Cross coinage of 'RVLA' (comprising thirteen pennies, ten cut halves and one cut quarter) form the third largest mint group in the Short Cross series at Llanfaes, after London (140) and Canterbury (95). The coins of this mint appear very occasionally in English hoards, most recently Wainfleet, Lincolnshire (1990), which contained one RVLA coin out of 380 to class IVa and Loxbeare, Devon (1980), one out of 17 to class VIa.¹⁹ Single finds have also been reported from Hen Blas, near Holywell and from Flint, both in Clwyd and within a few miles of Rhuddlan itself.²⁰ A cut quarter (of Halli) in the Grosvenor Museum, Chester, was probably found at Meols, on the Wirral.²¹ These and the prominent showing of this mint at Llanfaes must surely finally banish any doubts as to its location.

¹⁷ Lord Stewartby, 'German imitations of English Short-Cross Sterlings', *NC* 1995, 209-60, at pp. 233-5.

¹⁸ Lord Stewartby, 'German imitations...', pp. 240-1; N. Shiel, 'The Loxbeare, 1980 hoard', *Coin Hoards* 7 (1985), 379-81. This is the third British provenance for imitations of this group (with the Shelly hoard, *BNJ* 60, 137, no. 2), which might raise the possibility that it is native in origin, but Lord Stewartby (*in lit.* January 1996) confirmed to me his view that it is Westphalian.

¹⁹ 'Wainfleet, Lincolnshire, 1990', in M.M. Archibald and B.J. Cook, *English Medieval Coin Hoards* vol I (note 16); Loxbeare: Shiel, note 18.

²⁰ Hen Blas: J.F. Manley and J.M. Lewis, 'A collection of medieval artefacts found near Holywell, Clwyd', *Bulletin of the Board of Celtic Studies* (University of Wales) 34 (1987), 270-82, at p. 270; Flint: D. Williams, pers. comm. (Brand 2250).

²¹ See Metcalf, note 7 above; the Short and Long Cross coins at the Grosvenor Museum have been examined by the present writer, but apart from a group of Long Cross cut halves, the Meols finds among them cannot now be identified with certainty.

There is one new reverse die, of Simond type iiic, represented by one whole penny and one cut half (nos 303–4). This die is easily recognised by its unique reading SIMOND·NO·RVLA and on both coins is coupled with the obverse of Brand 3210.²² A further apparent variety (no. 302, a cut half), seems to couple the reverse of B.3370 with a recut(?) version of the obverse of B.3310ff.

The Llanfaes finds do not, however, shed much fresh light on the dating of the Rhuddlan issues. The poor representation of Halli (one penny and one quarter) and Tomas (two halves) underlines the likelihood of the main phase of arrival, use and loss of coinage on the site probably postdates 1200. These two moneyers were active before c. 1195, as is demonstrated by the Aston, Lisieux and Wainfleet hoards.²³ The vast majority of Rhuddlan coins from Llanfaes are of Simon(d), usually in fresh condition, and if their use and loss parallels that of the numerous regular coins of classes V–VII, their production could, in principle, lie at any time from c. 1205 onwards. Simon(d) may indeed have been active slightly earlier, as suggested by Dolley. At least one of his coins (type unspecified) was included in the eight or more Rhuddlan coins in the Newry hoard, which appears to close with English issues of class V and Irish issues of John as King, deposited probably between 1210 and 1215, according to Dolley.²⁴ Two unworn pennies of Henricus complete the Rhuddlan series at Llanfaes. The lack of Rhuddlan coins in the Wrexham, Clwyd, hoard of the 1240s might argue against a late date for these, the last of the mint's issues, but it is by no means certain that the hoard was assembled locally.²⁵ Further hoard evidence from the period 1205–40 will be needed to settle these matters.

Both Brand and Dolley have hesitated to speculate as to 'why these coins were struck in such a comparatively remote corner of the Plantagenet sphere of influence',²⁶ but underlying the problem has always been the seeming incompatibility of the limited historical evidence, cited by earlier numismatists, with the evidence provided by hoard finds, referred to above. A fresh appraisal is due, and the answer may perhaps be found in both economic and political developments in Gwynedd in the later 12th and 13th centuries. Studies by Welsh historians have demonstrated that at around this time in Gwynedd there was a distinct trend towards the commutation of traditional renders in kind into cash payments, and the development of a coin-using economy.²⁷ The evidence comes mainly from the later thirteenth century (e.g. Llanfaes, above), but that of coin finds, particularly the present series, would appear to suggest that the process was in train in the first half of the century. A growing need for cash in northern Wales, and the possibility that silver was being obtained from the Flintshire lead field in the later twelfth century, described for instance by Gerald of Wales in 1188,²⁸ may have been among the factors which motivated local coining. But was this an English coinage, or a Welsh?

²² J.D. Brand, 'The Short Cross coins of Rhuddlan', *BNJ* 34 (1965), 90–7.

²³ Aston: R.H.M. Dolley, 'A note on the chronology of some published and unpublished 'Short Cross' finds from the British Isles', *BNJ* 29 (1958–9), 297–321, at pp. 301–7; Lisieux: R.H.M. Dolley, 'The sequence of moneyers at Rhuddlan in the Short-Cross period', *NCirc* September 1963, 226–7; Wainfleet: B.J. Cook, note 16 above.

²⁴ R. Saintbill, 'Additional varieties of Short-Cross pennies', *NC* New Series 1 (1861), 204–6; R.H.M. Dolley, 'Unpublished 'Short Cross' finds' (note 23), at p. 311.

²⁵ G.C. Boon, *Welsh Hoards* (note 12), p. 105.

²⁶ J.D. Brand, 'Rhuddlan' (note 22), 93.

²⁷ T. Jones Pierce, *Medieval Welsh Society* (Cardiff, 1972). Collected essays, notably 'The growth of commutation in Gwynedd during the thirteenth century', pp. 103–25 (esp. pp. 120–3); 'Medieval settlement in Anglesey', pp. 251–87 (esp. pp. 279–81); R.R. Davies, *Conquest, Coexistence, and Change: Wales 1063–1415* (Oxford, 1987), pp. 160–4. The process has been observed elsewhere, e.g. A.D. Carr, 'A debatable land: Arwystli in

the Middle Ages', *Montgomery Collections* 80 (1992), 39–54.

²⁸ '... we proceeded from Ruthlan to the small cathedral church of Llanelwy [St Asaph]; from whence ... we continued our journey through a country rich in minerals of silver, where money is sought in the bowels of the earth [Halkyn Mountain], to the little cell of Basingwerk, where we passed the night'. *The Itinerary through Wales*, Everyman Edition (London, 1908), p. 129. There may be a hint of poetic licence here, unless these workings completely removed a silver-rich seam, since there is apparently very little, if any, mention of silver gained from Flintshire lead before the advent of industrial-scale working in the early nineteenth century (J. Thorburn, pers. comm.). However, between 1851 and 1913, Flintshire produced 1,838,320 ounces of silver ore, 7.17% of total U.K. output, exceeding 40,000 oz in eight years, the best being 1851 (56,854 oz/8.43% of U.K. total). The 39,236 oz of 1904 represented 27.71% of the U.K. total (R. Burt, P. Waite and R. Burnley, *The Mines of Flintshire and Denbighshire: metalliferous and associated minerals 1845–1913* (Exeter, 1992), p. xxiv, Table 2). I owe this reference to Richard Bevins.

Although the written history is 'fragmentary' (to use Brand's term), it seems to be fairly clear that for the vast majority of the Short Cross currency period, Rhuddlan belonged to the Princes of Gwynedd. Rhuddlan had been occupied by the English between 1157 and 1167, when it was recaptured by Owain Gwynedd, after whose death it passed to Dafydd ap Owain who held the area until 1195, when it fell to Llywelyn ab Iorwerth (Llywelyn the Great) in his bid to reunite Gwynedd under a single ruler. Rhuddlan was taken by King John in 1211, but recaptured by Llewelyn in 1213, remaining then in Welsh hands until 1241, when Englefield (*Tegeingel*: northeastern Clwyd) was ceded to Henry III by Dafydd ap Llywelyn.²⁹ In other words, between 1180 and 1247, Rhuddlan was only certainly in English hands for about eight years, six of them at the very end of the period. The early numismatists such as Lawrence, working from this evidence, not unreasonably attempted to link the Rhuddlan issues to one or other of these periods of English possession.³⁰ However, since there is incontrovertible evidence that two Rhuddlan moneyers were active before 1200, and that a third (Simond) was almost certainly coining before 1210, the possibility that the Rhuddlan Short Cross coinage represents issues on behalf of the princes of Gwynedd must be considered, although it remains possible that some of Simond's coins may have been issued during the English occupation of 1211–13. The origins of the Rhuddlan coinage appear to lie during the time of Dafydd ap Owain, whose relationship with the English crown (he had done homage to Henry II in 1177, and married Henry's half-sister Emma of Anjou) may also be relevant.

The fact that Rhuddlan issues are of English Short Cross type rather than distinctively Welsh need not be an insuperable difficulty. English sterlings were widely copied elsewhere because of their good quality and stable standard, though continental Short Cross imitations belong for the most part to the early thirteenth century. If indeed Welsh, the Rhuddlan pennies must be among the earliest Short Cross imitations. The best means to ensure their acceptance would be the production of coins of good weight and metal (which appears to have been the case – see Appendix 4), of the sole acceptable design at the time. It has been suggested elsewhere that an imitative issue of the time of Cnut (Blackburn's 'Chester Group'), an example of which was found near Degannwy in 1981, may represent a native Welsh response to a need for coin in the early eleventh century.³¹

The idea of the Rhuddlan issues as a Welsh coinage may help to explain two other features, its crude 'local' designs and the scarcity of these coins in English hoards. With no official access to centrally-produced dies, local improvisation would have been necessary. Whilst small production may be an important factor, the westward movement of the coins once produced, to the commercial centre of Gwynedd (at least 24 coins from Llanfaes) or abroad in trade (eight or more in the Newry hoard; one from Lisieux) might also have affected their availability in England. Some, however, will have found their way into English circulation through exchange where the native Welsh and 'English' lands abutted.

Short Cross pennies in Wales

In parallel with the study of the Llanfaes finds, a survey of single finds of Short Cross coinage from Wales has been carried out, based on the National Museum's collection, archaeological site finds, stray finds shown to the writer since 1986 and other sources. Early medieval coins from Wales are few. Little is found before the Short Cross period, and

²⁹ *The History of Flintshire*, vol. 1, edited by C.R. Williams (Denbigh, 1961), pp. 70–77; H. Quinnell and M.R. Blockley, *Excavations at Rhuddlan, Clwyd: 1969–73 Mesolithic to Medieval*, CBA Research Report 95 (1994), pp. 216–17.

³⁰ L.A. Lawrence, 'The Short Cross coinage, 1180–1247', *BNJ* 11 (1916), 59–100, at pp. 87–9.

³¹ G.C. Boon, *Welsh Hoards* (note 12), p. 14.

most of this comes from areas of Anglo-Norman settlement, such as Glamorgan and Pembrokeshire. There are pennies of William I from Cardiff Castle, St Davids (Pembrokeshire) and Caerwent (Gwent); and of William II from Caerwent and Rhuddlan (Clwyd).³² From Henry I's time, a *BMC* V cut halfpenny and a small hoard of Henry I *BMC* XI pennies from Llantrithyd, a single *BMC* X penny of the same reign found near Cowbridge (both in the Vale of Glamorgan), a fragmentary *BMC* XV penny from Ferry Point, Llanstephan (Dyfed) and a *BMC* X Pembroke mint penny from Lamphey (Pembs.) may be cited.³³ As well as the Coed-y-Wenallt (Cardiff) hoard, coins of Stephen's reign have been found at Carew (Pembs.), Llantrithyd and Monmouth.³⁴ Two cut quarter 'Tealby' pennies have recently (1995) been found near Haverfordwest (Pembs.), on a possible market or fair site north of the town, to add to pennies from Caerwent, Mathern and Monmouth (all Gwent).³⁵ However, this pattern may owe something to the regular reporting of finds from these areas to the National Museum, and another recent find, of a Henry I *BMC* XV penny from Llanbedrgoch, Anglesey, demonstrates that his coinage was not confined to the Anglo-Norman areas.³⁶

For the Short Cross period, the pattern is similar, but finds are much more numerous (see Appendix 3).³⁷ This parallels the contemporary increase in England.³⁸ Few of the findspots, however, are unambiguously 'Welsh', though the Rhuddlan and Hen Blas (Clwyd) coins and the finds from the Welsh-held castle at Dryslwyn, near Carmarthen, could represent commercial contact with the 'English' in frontier areas. But in (present-day) Gwynedd, finds from Caernarfon, Harlech and Castell Bryn Gwyn (Anglesey), together with the Clwyd finds, amplify the picture of coin-loss in Welsh territory which is provided by the spectacular series from Llanfaes.³⁹ A fourth Gwynedd find, a class VIIb penny from Degannwy, shows some wear, and may therefore belong either to the Welsh castle destroyed in 1241, or to the English occupation and rebuilding which started in the same year.⁴⁰

Long Cross coinage

The 135 Long Cross pennies and cut fractions listed in Appendix 1 are summarised by mint and class in Table 4. If the coins reported in Appendix 2 are included, seventeen of the twenty Long Cross mints are represented. The proportions of classes II and III, compared with class

³² G.C. Boon, *Welsh Hoards*, pp. 46–8; M. Dolley and J.K. Knight, 'Some single finds of Tenth- and Eleventh-century English coins from Wales', *ArchCamb* 119 (1970), 75–82; G.C. Boon, in Quinnell and Blockley, *Rhuddlan* (note 29), p. 164.

³³ Llantrithyd: G.C. Boon, *Welsh Hoards*, pp. 103–5; Cowbridge: Coin Register 1990, no. 213 (*BNJ* 60 (1990), 162); Llanstephan: unpublished finds record in N.M.W.; Lamphey: Coin Register 1993, no. 246 (*BNJ* 63 (1993), 153).

³⁴ G.C. Boon, *Welsh Hoards*, pp. 37–82; *BNJ* 57, Coin Register, p. 144, no. 193; *BNJ* 63, Coin Register, p. 156, no. 278.

³⁵ See Coin Register 1995, nos 226–7. Searching of the line of the Haverfordwest Link Road scheme during March and April 1995, in advance of its construction, and the forwarding of the finds for recording by the writer, were coordinated by Mr Roy Lewis and the Pembrokeshire Prospectors; the Gwent finds are unpublished.

³⁶ Coin Register 1995, no. 202.

³⁷ There are also two reliably attested hoards: from Slebech, Pembrokeshire (Dyfed), a purse-hoard of twelve coins to c. 1195 (E. Besly, 'Recent coin hoards from Wales, 1985–1992', *BNJ* 63 (1993), 84–90, at p. 86) and Wrexham (1240s: G.C. Boon, note 12 above).

³⁸ S.E. Rigold, 'Small change in the light of medieval site-finds', in *Edwardian Monetary Affairs (1279–1344)*, edited by N.J. Mayhew, B.A.R. 36 (Oxford, 1977), pp. 559–80. For the broader picture, see P. Spufford, *Money and Its Use in Medieval Europe* (Cambridge, 1988), chapters 5–11.

³⁹ Recent excavations at Rhosyr (1994) are said to have produced coins of the 'early-mid 13th cent.' (*Archaeology in Wales* 34 (1994), 61) but at the time of writing I have not been able to confirm details; several Long Cross coins have been found there during 1995 (S. Lyon, pers. comm.).

⁴⁰ See L. Alcock, 'Excavations at Degannwy Castle, Caernarvonshire, 1961–6', *ArchJ* 124 (1967), 190–201. The coin was found during these excavations, but is not there mentioned.

V, are higher than those in hoards such as Palmer's Green, Steppingley and Colchester, but as with the Short Cross before, this probably reflects the more continuous nature of coin loss on the site.

One example of class Vf (no. 408) has been pierced by the point of a knife, presumably by way of testing. Two coins (nos 474–5) are counterfeits, copying classes III and V, each with a literate 'Henricus' obverse, but nonsensical reverse readings. The obverse die of no. 474 has some affinities with Dolley and Seaby's class Ia, *O.1*;⁴¹ the reversed Es (or Ds with cross bars) which appear on the reverse of the coin are found on several other imitations. On no. 475 the crown band appears to be split as in Vf, while its reverse belongs to a large group linked by the distinctive ARIC in one quarter. Both may be associated with the Kuinre region.⁴²

TABLE 4. Long Cross: distribution by mints (data from Appendix 1)

<i>Mint</i>	<i>I-II</i>	<i>III</i>	<i>V</i>	<i>VII</i>	<i>?</i>	<i>Total</i>
Bury	1	-	4	1	-	6
Canterbury	-	2	18	-	-	20
Durham	-	-	1	-	-	1
Exeter	-	-	-	-	1	1
Gloucester	1	-	-	-	-	1
Ilchester	-	1	-	-	-	1
Lincoln	1	2	-	-	-	3
London	1	16	32	1	3	53
Newcastle	-	4	-	-	-	4
Northampton	-	3	-	-	-	3
Oxford	-	1	-	-	-	1
Shrewsbury	-	1	-	-	-	1
Wilton	-	2	-	-	-	2
York	1	2	-	-	-	3
uncertain	1	13	13	1	5	33
Counterfeit	-	1	1	-	-	2
Totals	6	48	69	3	9	135

Small change

Before the sterling coinage of Edward I, denominations below a penny were seldom struck, so the main method for supplying these was to cut whole pennies into halves or quarters, using the reverse cross as a guide. A considerable proportion of the Llanfaes finds of Short and Long Cross coins consists of such fractions. One Short Cross specimen (no. 107) is a half which has been scored for a further division which did not take place.

The proportions of Short and Long Cross coins in the form of cut fractions, at Llanfaes and other sites, are summarised in Table 5.⁴³ While Dunwich stands out in both periods for its tiny proportion of whole coins, it seems to be clear that the use and loss of fractions at the two south-eastern sites was very much more intensive than at Meols, Llanfaes or Wales in general

⁴¹ M. Dolley and W.A. Seaby, 'The anomalous Long-Cross coins in the Anglo-Irish portion of the Brussels hoard', in *Mints, Dies and Currency*, edited by R.A.G. Carson (London, 1971), pp. 291–317: see pl. XX, BH 2 and discussion within the text of possible sources of these imitations.

⁴² I am indebted to J.J. North for his observations on these two Long Cross counterfeits.

⁴³ Additional references for table 5: Meols, J.H. Gibson, 'Synopsis of the coins found on the Meols Beach, Cheshire, since 1870 in the collection of Mr C. Potter', *J. Liverpool Numismatic Society*, 1877, 63–7, plus information on Liverpool Museum holdings from *SCBI* 29. This is a very small sample from the overall coins reported from Meols (see Metcalf, note 7) and must be treated with caution.

during the first half of the thirteenth century. During the period 1250–80, the percentages of farthings remain similar at all but Dunwich. Halfpennies, however, show a large proportional increase at Llanfaes and Meols. There is also an increase in the general Welsh figure, which is probably understated, since the sample is small and, depending disproportionately on the N.M.W. collection, may be biased towards the whole pennies.⁴⁴ Perhaps these fractions, the halfpennies especially, act as an index of the monetisation of everyday transactions in Wales (above, p. 54) and the north-west, as opposed to the south-east, where the use of halfpennies and farthings was already well established.⁴⁵ In Scotland, the widespread finding of coins of the Short Cross and Long Cross periods (mainly English) has been noted and the large proportion of cut fractions taken to indicate a degree of sophistication in coin use.⁴⁶

One specimen of an Edwardian sterling (no. 514) appeared at first sight to be a cut halfpenny and thus evidence for the continuation of the practice as late as c. 1300. However, close examination suggested that this coin was probably broken as a result of folding.

TABLE 5. Distribution of denominations at sites in England and Wales

a. Short Cross period

		<i>Pennies</i>	<i>Cut ½d</i>	<i>Cut ¼d</i>	<i>Total</i>
London, Vintry		17	36	24	77
	%	22.1	46.8	31.2	
Dunwich		6	75	75	156
	%	3.8	48.1	48.1	
Meols (partial)		11	*5	1	17
	%	64.7	29.4	5.9	
Llanfaes		176	**143	31	350
	%	50.3	40.9	8.9	
Wales, general		44	24	4	72
	%	61.1	33.3	5.6	

*: includes 1 Irish halfpenny; **: includes 2 Irish halfpennies

b. Long Cross period

		<i>Pennies</i>	<i>Cut ½d</i>	<i>Cut ¼d</i>	<i>Total</i>
London, Vintry		4	15	10	29
	%	13.8	51.7	34.5	
Dunwich		4	34	71	109
	%	3.7	31.2	65.1	
Meols (partial)		12	34	4	50
	%	24.0	68.0	8.0	
Llanfaes		25	110	8	143
	%	17.5	76.9	5.6	
Wales, general		9	10	2	21
	%	42.9	47.6	9.5	

N.B. Irish and Scottish Short Cross and Long Cross types are included

⁴⁴ However, a sample of excavation and stray finds from Scotland between 1978 and 1987 produced similar proportions of pennies; cut halves; quarters to the 'Welsh' Long Cross, for both Short and Long Cross periods: SC, 18:18:2; LC, 12:10:0. J.D. Bateson, 'Roman and medieval coins found in Scotland, to 1987', *PSAS* 119 (1989), 165–88.

⁴⁵ The 'Coin Register' cut-off date of 1180 prevents direct comparisons, but the prolific material reported from Norfolk and Suffolk in Vols. 61–64 of *BNJ* for the two preceding periods

includes, for Stephen and contemporaries, 7 pence, 5 cut halves and 1 quarter; for Henry II 'Tealby', 7 pence, 13 halves and 3 quarters. These figures – if representative – show a remarkable similarity to the changing balance of denominations in the later Welsh SC and LC finds. Do they demonstrate a similar process at work somewhat earlier? Further finds will no doubt extend or modify this picture in these and other areas.

⁴⁶ J.D. Bateson, 'Roman and medieval coins found in Scotland' (note 44), at p. 183.

Scots, Irish and Continental coins

Small percentages of 'foreign' coins are characteristic of hoard and stray finds of the period. The eleven Scots Short Cross coins at Llanfaes, for instance (one for every thirty English), are paralleled by the two from Wales as a whole (1:36). The single fragmentary Crescent and Pellet issue of William I may, as has been suggested for other such specimens, have been present as scrap silver. Numismatic attention may be drawn to no. 556, a Short Cross cut halfpenny combining a 'Le Re Wilam' obverse with a mint-signed reverse of Walter of Perth. The presence of two Irish round halfpennies of John (nos 573–4) is very unusual on the British mainland; another is recorded from Meols (*SCBI* 29, no. 1062). All presumably derive from trading contacts. The five Continental coins are all common types.

One Scots coin, a penny of Alexander III (no. 570), appears to be of non-commercial, though as yet unexplained, significance. As found and submitted, the coin was folded and crimped, with the obverse visible, and retained a certain amount of earth. In removing the earth to obtain a reliable weight, fibres were discovered which on laboratory examination proved to be undyed vegetable fibres, possibly linen. They formed several threads approximately one millimetre thick, each in turn comprising 'two threads loosely Z spun then tightly S plied'.⁴⁷ In other words, the coin has been crimped onto a piece of string. Whether this relates to a method of storing or carrying small numbers of coins, or to some other use, for instance votive, is at present unclear. However, the medieval 'English' practice of bending coins as a vow to a saint, for instance to avert catastrophe or to cure a sick person or animal, is well attested.⁴⁸ The coin would then be presented at the saint's shrine.⁴⁹ Votive wax images were suspended by strings at the 15th-century tomb of Bishop Edmund Lacey in Exeter Cathedral.⁵⁰ If coins were suspended similarly, the use of this Llanfaes find as such an offering at some time would be a distinct possibility. Many coins from the site are to some extent bent; whilst this may derive in part from the subsequent agricultural activity, several were certainly deliberately bent double (e.g., nos 5, 18 and 212).

Metrology

The weights of intact specimens of Short Cross, Long Cross and Sterlings are summarised in Table 6. The unusually large number of well-preserved 'site' coins make an interesting comparison with the information available from hoarded coins and, as might be expected, the Llanfaes coins fall short. To take the Short Cross by way of example: for three recent hoards buried around 1200, and the Wrexham hoard, the following summaries are obtained.⁵¹

Wainfleet, Lincs	c. 1195+	(IVa)	380 pennies	average	1.41g/21.7gr
			3 cut halves		0.72g/11.1gr
Bainton, N. Humberside	c. 1200	(IVb)	129 pennies		1.40g/21.6gr
			4 cut halves		0.69g/10.6gr
Canwell, Staffs	c. 1200	(IV)	40 pennies		1.38g/21.3gr
			7 cut halves		0.60g/9.2gr
Wrexham, Clwyd	1240s	(VIII)	62 pennies		1.35g/20.7gr
			5 cut halves		0.71g/10.9gr

⁴⁷ I am indebted to my colleague Louise Mumford for these observations.

⁴⁸ R. Merrifield, *The Archaeology of Ritual and Magic* (London, 1987), pp. 91–2.

⁴⁹ Gerald of Wales refers, for instance, to the practice of offering coins (pennies) at St Germanus, near Rhayader.

Powys, *Itinerary* (note 28), pp. 15–16) but unfortunately does not specify bending or methods of attachment.

⁵⁰ Merrifield (note 48), p. 88 and pl. 28.

⁵¹ Bainton, Canwell, Wainfleet: Cook and Archibald, note 16; Wrexham: Boon, note 12.

TABLE 6. Llanfaes: weights summary of intact coins listed in Appendix 1

		<i>No. of coins</i>	<i>Average wt. (g)</i>	<i>(gr)</i>	<i>No. clipped</i>
Pennies					
<i>Short Cross</i>	I-IV	19	1.21	18.6	3
	V	32	1.32	20.3	2
	VI	27	1.35	20.8	—
	VII	63	1.34	20.6	3
	VIII	3	1.26	19.4	1
	English mints, all	144	1.32	20.3	9
	Rhuddlan	12	1.39	21.4	—
<i>Long Cross</i>	I-III	10	1.30	20.0	—
	V	6	1.16	17.9	1
	All	16	1.25	19.2	1
<i>Sterling</i>	I-9	25	1.33	20.5	—
Halfpennies					
<i>Short Cross</i>	I-IV	32	0.61	9.4	6
	V	49	0.62	9.5	6
	VI	9	0.65	10.0	1
	VII	14	0.60	9.2	5
	VIII	1	0.57	8.8	—
	English mints, all	105	0.62	9.6	18
	Rhuddlan	9	0.66	10.1	—
<i>Long Cross</i>	I-III	37	0.63	9.6	4
	V	53	0.58	8.9	11
	All	90	0.60	9.2	15
<i>Sterling</i>	All	4	0.62	9.5	—
Farthings					
<i>Short Cross</i>	English mints, all	24	0.35	5.4	—
	Rhuddlan	1	0.30	4.6	—
<i>Long Cross</i>	All	4	0.34	5.2	—
<i>Sterling</i>	English	2	0.31	4.7	—
	Irish	4	0.35	5.4	—

Of all series, only the Short Cross pennies of Rhuddlan approach or equal the quality of hoard coins, as befits the 'local' mint: its coins are generally unworn, and none is clipped. The general shortfall in comparison with the hoard coins probably results from a combination of wear, clipping, culling (perhaps) and loss through corrosion, which is not always obvious to the eye. Using a suggested issue standard of $22\frac{1}{2}$ grains,⁵² the Short Cross pennies from English mints are on average nearly ten per cent below standard (2s in the pound), and those of Rhuddlan about five per cent (1s). Pennies of classes I-IV are over 16 per cent lighter on average, below the 2s 6d limit at which old money was allowed to continue current in 1205,⁵³ though it is likely that some at least are later losses (above, p. 51). The numbers of coins which are definitely clipped are given in the last column of Table 6. These are relatively small for pennies but assume greater

⁵² As suggested by Cook in Cook and Archibald, note 16.

⁵³ N.J. Mayhew, in *A New History of the Royal Mint*, edited by C.E. Challis (Cambridge, 1992), p. 98

significance for the cut halfpennies, notably in the Long Cross series, where for class V over 20 per cent of the halves are clipped. Where Long Cross coins are clipped this is often much more severe than for the Short Cross. Several weigh less than 0.5g, the extreme example being no. 461, a halfpenny which at 0.287g (4.4gr) is intrinsically worth less than a farthing. The extension of the voided cross to the edges of the dies was evidently no protection.

Conclusion

The purpose of this paper has been to place on record the extensive series of medieval coins from the major commercial centre of independent Wales in the thirteenth century, and to discuss the light that this sheds on the development of coin use in Wales during this period. Since few other single sites have produced coin series of any size for the Short Cross and Long Cross periods, the opportunity has been taken to attempt to place this in context using records of single finds gathered by the writer and others, as well as evidence from hoards.

Acknowledgements. It is a pleasure to acknowledge the contribution of the several finders of the Llanfaes coins. Messrs Andrew Gillespie, Mike Moore and Peter Corbett. Mr Gillespie, who found the majority of the coins, first drew my attention to the site, and has been consistently helpful in lending his own finds and coordinating the loan of coins found by a number of others. His, and Mr Moore's, willingness to make specimens available for the National Collection in Cardiff is also much appreciated. Denis Martin provided details of other coins not seen by the writer (Appendix 2). The Welsh finds listed in Appendix 3 come from a number of sources: metal detectorists, archaeologists, and the published record. I am grateful to Nick Mayhew, Professor Rees Davies, Lord Stewartby and Jeffrey North, for their comments on specific matters. Martin Allen and Christopher Wren have checked, from photographs, my identifications of the Short Cross and Long Cross coins, respectively. Remaining errors are firmly mine. Figs. 1–4 were drawn by Jackie Chadwick.

APPENDIX 1: SCHEDULE OF LLANFAES COINS EXAMINED AT NATIONAL MUSEUM OF WALES, 1992–4

Conventions: Ligatured letters are underlined; States of wear are self-explanatory, except that 'sl. wear' indicates a coin that is all but unworn, where 'some wear' indicates a coin that is visibly circulated (assessment of wear is always subjective, and presents problems of consistency where several large batches have been examined over a three year period). A bold schedule number indicates an illustrated coin. An asterisk indicates a coin acquired by the National Museum of Wales.

			Weight (g)	Axis	Notes	Wear
Celtic						
<i>Gaul, Carnutes</i>						
1.*		bronze, cf. La Tour 6088, 6108	2.298		corroded	
Roman						
<i>House of Valentinian I (364–78)</i>						
2.		bronze, GLORIA ROMANORVM type, emperor and mint uncertain	1.865			worn
Anglo-Saxon						
<i>Cnut?</i>						
3.		Pointed Helmet type? [..]CN?[....]/+I[.....]	0.056		fragment	
Post-Conquest						
<i>Stephen</i>						
4.		Cross Moline type, <i>BMC</i> I, illegible	0.329		? cut ½d; clipped, folded	worn
<i>Henry II, Tealby coinage</i>						
5.	A1?	Norwich, Nicol; NICOL:ON:[NO]REPI	1.367	120	broken (folded) ?same dies as <i>BMC</i> 664	worn
6.*	C2?	Canterbury, Goltep; GOL[.. <u>JEP</u>][....]A	1.299	180	?same dies as <i>BMC</i> 81	worn
7.	D?	London?, Lefwine?; LE[.... ..]	0.444	-90	cut ½d	much worn
8.	?	Uncertain mint and moneyer, illegible	0.504		? cut ½d; clipped?	worn

Weight (g) Axis Notes

Wear

Short Cross Coinage

BURY

9.	VIIaC	Norman	NORMANONSAN	1.470	100		sl. wear
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CANTERBURY

10.	IIIab2	Goldwine	[..]LDWINE·O[...]	0.631	80	cut ½d; bent	sl. wear
11.	IVa	Goldwine	[...]DWINE·ON[...]	0.613	330	cut ½d	worn
12.*	IVa	Meinir	MEINIR·O[.....]	0.707	70	cut ½d	some wear
13.	IVa*	Ulard	VLARD·ON·CANT	0.902	220	clipped	worn
14.	IVa	uncertain	[...]D·ON·CA	0.495	340	cut ½d	worn
15.*	IVb	Roberd	RO[...]D·ON·CA	1.412	330		some wear
16.*	IVb	Ulard	VLARD·ON·CANT	1.193	150	(or IVa?: obv.d/s)	some wear
17.	IVb	uncertain	[.....]N·CA	0.310	120	cut ½d	sl. wear
18.	IV	Ulard	VLARD·O[...]	0.662	200	cut ½d; folded	some wear
19.	Va1/Va2	Coldwine	COLDWINE·ON·C	1.464	310		sl. wear?
20.*	Va1/Va2	Samuel	SAMVEL·ON·CAN	1.387	200	sl. bent	unworn
21.	Va2	Hernaude	HERNAVD·ON·C	1.323	330	ornamental R, obv.	sl. wear
22.*	Vb1	Iohan	IOHAN[·ON·]CANT	1.351	10		sl. wear
23.	Vb1 or b2	Simon	SIM[...]NT	0.649	100	cut ½d	worn
24.	Vb2	Roberd	ROBERD·ON·CA	1.176	270		unworn; corr.
25.	Vb2	Iohan	[...]AN·ON·C[...]	0.670	340	cut ½d	sl. wear
26.	Vb2	Iohan M	IOHAN·M·ON·CA	1.318	270	bent	worn?
27.	Vb2	Samuel	[..]AM[...]N·CA[...]	1.014	110	frags.	sl. wear?
28.	Vb2	Samuel	SAM[...]CAN	0.756	180	cut ½d	some wear
29.	Vb2 or b3	Arnaud	ARNAV[...]	0.636	150	cut ½d; bent	worn
30.	Vb2 or b3	uncertain	[.....]·ON·CAN	0.652	240	cut ½d; has been bent	some wear
31.	Vb2, b3 or c	Coldwine	CO[.....]E·ON·C[...]	0.917	300	fragments	worn?
32.	Vb2, b3 or c	Sim(on)	SIM[...]ANT	0.548	180	cut ½d	sl. wear
33.	Vb2 or c	Iohan B or - M	IOHAN[...]	0.734	45	cut ½d	sl. wear?
34.	Vb	Coldwine	COL[...]CA	0.553	120	cut ½d; bent, incomplete	sl. wear
35.	Vb	Coldwine	COLDWI[...]	0.533	330	cut ½d; sl. bent	corroded
36.	Vb	Coldwine	[.....]E·ON·C	0.403	?	cut ½d, fragment	?
37.	Vb	Iohan ..	IOh[...]CA	0.777	30	cut ½d	worn
38.	Vlb2	Henri	hENRI[...]	0.787	0	fragment	some wear?
39.	Vlb2	Hiun	hIVN·ON·CANTE	1.351	240	sl. bent	some wear
40.	Vlb2	Simun	hIMVN·ON·CANTE	1.376	160		some wear?
41.	Vlc1	Henri	hENRI·ON·CANTE	1.374	180		worn
42.	Vlc1	Hiun	hIVN·ON·CANTER	1.241	200		corroded
43.	Vlc1	Roger	ROGE[...]CANTE	1.361	0		worn
44.*	Vlc1	Samuel	SAMVEL·ON·CAN	1.446	80		sl. wear?
45.	Vlc3	Iohan	IOHAN·ON·CANTE	1.380	330		sl. wear
46.	Vlc(1?)	Henri	hENRI·O[...]	0.678	300	cut ½d	unworn
47.	VIIa	Henri	hENRIONCANTE	1.398	340		some wear?
48.	VIIa	Henri	hENRIONCANTE	1.356	180		sl. wear?
49.	VIIa	Henri	hENRIONCANTE	1.350	270	bent	worn?
50.	VIIa	Henri	hEN[...]CANTE	1.014	180	fragment	some wear
51.	VIIa	Ioan	IOANONCANTER	1.409	45		some wear?
52.	VIIa	Ioan	IOANONCANTER	1.388	330		unworn?
53.	VIIa	Ioan	IOANONCANT	1.384	100		sl. wear?
54.	VIIa	Ioan	IOANONCANTE	1.340	330		sl. wear?
55.	VIIa	Ioan	IOAN·ON·CANTE	1.339	330		unworn

				Weight (g)	Axis	Notes	Wear
56.*	VIIaA	Iun	I-VNONCANTE	1.317	120	*stop a die flaw?	sl. wear
57.	VIIa	Iun	IVNONCANTE	1.477	0		unworn?
58.	VIIa	Roger	ROGERONCAN	1.431	40	bent 90°	sl. wear
59.*	VIIaC	Roger of R	ROGEROFRON	1.466	100		sl. wear
60.	VIIaD?	Roger of R	ROGER-OF-R-ONC	1.398	240		sl. wear
61.	VIIa	Samuel	SAMVELONC	1.398	280	encrusted	some wear?
62.	VIIa	Samuel	SAMVELONCAN	1.392	210		sl. wear?
63.	VIIa	Samuel	SAMVELONCA	1.349	0		sl. wear
64.	VIIa	Samuel	SAMVELONCAT	1.347	190	bent 90°	sl. wear?
65.	VIIaA	Simun	SIMVNONCANT	1.361	0		sl. wear
66.	VIIaB-C	Simun	SIMVNONCANTER	1.447	0		sl. wear?
67.*	VIIaC	Simun	SIMVNONCANT	1.372	300		sl. wear
68.	VIIa	Simun	SIMVNONCANTE	1.292	160		some wear?
69.	VIIa	Simun	SIMVNONCANTE	1.388	30	bent	some wear?
70.	VIIaA	Tomas	[....]SONCANT	1.335	180		worn
71.	VIIa	Tomas	TOMASONCANT	1.406	270	bent	unworn
72.*	VIIa	Tomas	TOMASO[...]AN	1.348	180		some wear
73.	VIIa	uncertain	[....]NCANT	0.647	200	cut ½d	sl. wear
74.	VIIa	uncertain	[....]-ON-CAN	0.465	240	cut ½d	worn
75.	VIIa	uncertain	[....]JNTE	0.320	330	cut ½d	unworn
76.	VIIa or bA	Henri	hENRION\\\\\\\\N	1.394	270	d/struck	sl. wear
77.	VIIa-b	Roger/- of R	ROGER[.....]	0.619	280	cut ½d	sl. wear
78.	VIIb	Ioan	IOA[...]AN	0.489	120	cut ½d; clipped.	worn
						chipped	
79.	VIIb	Ioan Chic	[....]ChICON[...]	0.916	?	clipped; d/s o/r	some wear
80.*	VIIb	Osmund	OSHVNDON[...]A	1.177	150	bent	cleaned!
81.	VIIbB	Roger/- of R	ROGERO[....]	0.547	330	cut ½d; clipped	worn
82.	VIIb	Roger	ROGERONCAN	1.376	210		some wear?
83.	VIIb	Roger of R	ROGEROF-R-ONC	1.462	180		unworn?
84.	VIIb	Roger of R	ROGER-OF-R-ONC	1.387	30		sl. wear
85.	VIIb	Roger / - of R	[...]GER[....]	0.310	?	cut ½d	worn
86.	VIIb	Salemun	SALEMVNONC	1.315	180		some wear?
87.	VIIb	Simun	SIMVNONCANTE	1.356	170		some wear?
88.	VIIbB	Tomas	TW[.....]NTE	0.739	270	cut ½d	worn
89.	VIIb	Tomas	[....]SONCANT	1.232	150		sl. wear?
90.	VIIb	uncertain	[.....]ON-CAN	0.668	90	cut ½d	some wear
91.	VIIb	uncertain	[.....]NCAN	0.506	330	cut ½d; clipped	worn
92.	VIIb	uncertain	[....]JAN	0.234	30	cut ½d	sl. wear
93.	VIIcB	Nichole	NICH[...]AN	1.299	90		worn?
94.	VIIc	Ioan FR	\\\\\\\\N-F-R-ONCAN	1.273	?	d/struck	sl. wear?
95.	VIIc	Ioan FR	IOAN-F-R[.....]	0.666	210	cut ½d	sl. wear
96.	VIIc	Nichole	NICHOLEONCAN	1.221	280		sl. wear
97.	VIIc	Willem	[....]EMONCAN	1.059	320	clipped	worn
98.	VIIc	Willem	WIL[...]JA	0.469	90	cut ½d; clipped	worn
99.	VIIc	uncertain	[....]ONCAN	0.479	60	cut ½d; clipped	worn
100.	VII	Henri	[...]RIONC[...]	0.649	210	cut ½d	worn
101.	VII	Iohan	IOhAN[....]NT	0.578	210	fragment	worn
102.	VIIIb2	Nichole	NICH[...]ANT	1.278	300		unworn?
103.	VIIIb2	Nichole	NIC\\\\\\\\ON-CANT	1.011	240	clipped?	worn?
104.*	VIIIb3	Iohan	IOhAN[...]AN	1.161	0	two frags.	unworn?

CARLISLE

105.	Ib	Alain	[....]N-CA[...]	0.356	60	cut ½d; BNJ 49, rev die Ca 148	sl. wear
106.*	Vb1/Vb2	Tomas	TOMAS-ON-CAR	1.433	80	dies CA515/516	sl. wear?

				Weight (g)	Axis	Notes	Wear
CHICHESTER							
107.*	Vb2 or b3	(Willelm)	[.....]I-ON-CIC	0.648	90	cut ¼d; rev. scored for further division	sl. wear
108.	Vb2	Pieres	PIERES-ON-CICE	1.375	300	bent	sl. wear
DURHAM							
109.*	Vb-VIa	(Pieres)	[.....]DVR	0.351	150	cut ¼d	unworn
LINCOLN							
110.	Ib	Lefwine	LEF[.....]ICO	0.694	200	cut ¼d	sl. worn
111.*	Va2	Iohan	IOhAN-ON-NICO	1.319	150	sl. bent	worn
112.*	Vb2	Hue	hVE-ON-NICOLE	1.461	60		some wear
113.	Vb	uncertain	[.....]ON-NICOL	0.609	330	cut ¼d	worn?
114.*	Vb2, b3 or c	Hue	hVE[.....]OLE	0.592	330	cut ¼d	sl. wear
LONDON							
115.	Ia1/Ia2	Alain	[...]AIN-O[.....]	0.316	180?	cut ¼d	unworn
116.	Ia2	Reinald	[...]NALD[.....]	0.303	80	cut ¼d	sl. wear
117.	Ia4	Aimer	[...]ER-ON-L[...]	0.845	0	cut ¼d	some wear
118.	Ia4	Randul	RAN[.....]LVN	0.686	45	cut ¼d	sl. wear?
119.	Ia5	Reinald	REINAL[.....]N-LVN[...]	1.079	330	sl. bent; chipped	some wear
120.	Ib	Davi	DAV[.....]	0.398	90	cut ¼d	sl. wear
121.	Ib	Raul	RA[.....]	0.602	30	cut ¼d	worn
122.	Ib	Iefrei	[.....]EI-ON-LV[...]	0.549	210	cut ¼d	unworn
123.	Ib	uncertain	[.....]ON-LVND	0.554	300	cut ¼d; clipped	some wear
124.	Ic	Gilebert	[.....]T-ON-LVN	0.590	60	cut ¼d; bent	some wear
125.	Ic	Pieres	PIERES-ON-LVND	1.281	240	bent	some wear
126.	Ic	Pieres	PIERES-ON-LVND	1.241	90	folded	worn
127.	Ic	Pieres	[...]RES-[.....]	0.371	240	cut ¼d	worn
128.	Ic	Raul	RAVL-ON-LVND	1.084	80	bent	worn/corr.
129.	Ic	Raul	RAVL-O[.....]	0.732	200	cut ¼d	sl. wear
130.	Ic	Raul	RAVL-O[...]	0.556	330	cut ¼d	worn
131.	Ic	uncertain	[.....]N-LVND	0.553	130	cut ¼d	worn
132.	II	Raul	RAVL-ON-LVN	1.328	270	bent	worn
133.*	IIIab2	Aimer	AIMER-ON-LVN	1.361	80		some wear
134.	IIIab2	Aimer	WIMER[.....]	0.717	150	cut ¼d	worn
135.*	III	uncertain	[.....]ON-LVN	0.729	240	cut ¼d	sl. wear
136.	III	uncertain	[.....]N-LVN	0.476	310	cut ¼d; clipped	sl. wear
137.	IVa*	Willelm	WILLELM-ON-LVND	1.352	340		worn
138.*	IVa*	Willelm	WILLELM-ON-LVND	1.366	100		some wear
139.*	IVa	Ricard	RICARD-ON-LV[...]	1.124	330		worn
140.	IVa	Ricard	RICARD-ON-LVN	1.122	90	bent	unworn
141.	IVa	Ricard	RICARD-ON-LVND	1.047	90	clipped	worn
142.	IVa	Ricard	[...]ARD-ON-L[...]	0.595	210	cut ¼d	worn
143.	IVa	Stivene	STIVENE-ON-LVN	1.326	0		some wear
144.	IVb	Stivene	STIVEN[.....]	0.543	200	cut ¼d; clipped	worn
145.	IVb	uncertain	[.....]ON-LVND	0.716	200	cut ¼d; sl. bent	unworn?
146.	IVb?	Stivene	[...]WNE-W[...]	0.581	330	cut ¼d; clipped	much worn
147.	IV	Fulke	FVL[.....]ND	0.429	270	cut ¼d; bent	worn?
148.*	IV	Henric	hENRIC[.....]	0.591	270	cut ¼d	some wear
149.	IV	uncertain	[.....]ON-L[...]	0.370	180?	cut ¼d	worn
150.	Va2	Henri	hEN[.....]VND	0.721	180	cut ¼d	some wear
151.	Va2 or Vb1/a2	Willem	WILLEM[.....]	0.621	330	cut ¼d	sl. wear?

				Weight (g)	Axis	Notes	Wear
152.	Vb1/Va2	Fulke	FVL[.....]VND	0.634	240	cut ½d; same dies as SCB/ 12 (Oxford), 548?	worn
153.	Vb1	Rener	REN[... ..]	0.348	150	cut ½d	sl. wear?
154.	Vb1 or b2	Fulke	FVL[.....]NDE	0.588	120	cut ½d	sl. wear?
155.	Vb2	Beneit	BENEIT-ON-LVND	1.390	170		unworn
156.	Vb2	Beneit	[...]NEIT-ON[...]	0.713	270	cut ½d	sl. wear
157.	Vb2	Ilger	[...]ER-ON-LV[...]	0.758	320	cut ½d	sl. wear?
158.*	Vb2	Ilger	ILGER[.....]	0.673	0	cut ½d	some wear
159.	Vb2	Willelm L	W[.....]L-ON-LV	1.310	280	folded	sl. wear
160.	Vb2 or b3	Rener	RENER[... ..]	0.590	0	cut ½d	worn
161.*	Vb2 or b3	Willelm T	[.....]I-T-ON-LVN	0.670	90	cut ½d	sl. wear
162.	Vb3	Willelm L	WILLELM-L-ON-LV	1.325	300		worn?
163.	Vb3	Willelm T	WILLELM-T-ON-LV	1.397	160		unworn?
164.	Vb	(Willelm) B	[.....]I-B-ON-LV	0.658	190	cut ½d	some wear
165.	Vb	Willelm L	[...]ILLELM-L-ON-LV	1.125	140	fragments	corr.
166.	Vb	Willelm ..	WIL[.....]N-LVN	0.635	60	cut ½d	some wear?
167.	Vb2, b3 or c	Willelm	WILLEL[... ..]	0.605	300	cut ½d	worn
168.	Vb-c	Ricard B	[...]ARD-B-O[...]	0.450	40	cut ½d; clipped, frag.	some wear
169.	Vb-c	Willelm L	[.....]L-ON-LV[...]	0.900	?	cut ½d; wrapped around two illegible fragments	worn
170.*	Vc	Abel	ABEL-ON-LVNDE	1.326	0	corroded	sl. wear?
171.	Vc	Abel	ABEL-ON-LV[...]	1.266	30	bent	worn
172.	Vc	Beneit	BENEIT-ON-LVN	1.340	0		some wear
173.	Vc	Ilger	ILG[...]-ON-LVND	1.441	210	bent	worn
174.*	Vc	Ilger	ILGER-ON-LVNDE	1.352	190		sl. wear
175.	Vc	Ilger	ILGER-ON-LVND	1.345	270	bent	unworn?
176.	Vc	Ilger	ILG[... ..]VND	0.531	100	cut ½d	worn
177.	Vc	Rauf	RAVF-ON-LVNDE	1.362	180		sl. wear
178.	Vc	Rauf	RAVF-ON-LVNDE	1.331	320		sl. wear
179.*	Vc	Rauf	RAVF[.....]DE	0.756	70	whole penny, but much clipped	worn
180.*	Vc	Rener	RENER-ON-LVND	1.102	90	clipped?	worn
181.	Vc	Walter	WALTER-ON-LV	1.416	330		worn
182.	Vc	Walter	WA[.....]LV	0.671	150	cut ½d	worn?
183.	Vc	Willelm ..	WILLELM[... ..]	0.662	70	cut ½d	worn
184.*	Vc	Willelm ..	WIL[.....]	0.446	60	cut ½d; clipped	worn
185.	Vc	Willelm ..	W[.....]N-LVN	0.753	30	cut ½d	worn
186.	Vc	uncertain	[.....]N-LVNDE	0.614	110	cut ½d; sl.bent	worn
187.	Vc	uncertain	[.....]VN	0.598	?	cut ½d; d/s O/R	unworn
188.	Vc-VIa	Abel	ABE[... ..]DE	0.494	150	cut ½d	worn? (corr.)
189.	Vc-VIa	Rauf	[...]VF-ON-L[?][...]	0.675	330	cut ½d; chipped	worn
190.*	Vc-VIa	Rauf	RAVF-O[.....]	0.664	240	cut ½d	worn
191.	Vc-VIa	Rauf	[...]VF-ON-LV	0.657	120	cut ½d	worn
192.	Vc-VIa	Rauf	[...]LF-ON-LV[...]	0.594	270	cut ½d	sl. wear
193.	Vc-VIa	Walter	WA[... ..]LVN	0.400	200	cut ½d; clipped, bent	much worn
194.	Vc-VIa	uncertain	[.....]ON-LVNDE	0.757	60	cut ½d	worn
195.	V-VI	Willem	[...]LEN[...]	0.371	90	cut ½d	worn
196.	VIa1	Abel	ABEL-O[... ..]	0.732	80	cut ½d	worn
197.	VIa1	Rauf	RAVF-ON-LVNDE	1.310	270		sl. wear
198.	VIa1	Walter	WALTER-ON-LVN	1.452	120		worn
199.	VIa1	Walter	WALTER-ON-LV	1.334	0		worn
200.*	VIa1	Walter	WALTER-ON-LVN	1.327	0		some wear
201.	VIa1	Rauf	[...]VF-ON-LV[...]	0.711	260	cut ½d	sl. wear
202.	VIa2	Walter	WALTER-ON-LVN	1.335	90		sl. wear
203.*	VIb1	Abel	ABEL[... ..]LVNDE	1.391	160		some wear
204.	VIb1	Abel	ABEL-ON-LVNDE	1.344	340		unworn?
205.	VIb1	Abel	ABEL-ON-LVNDE	1.304	100	bent to 90°	sl. wear

				Weight (g)	Axis	Notes	Wear
206.	V1b1	Ilger	ILGER-ON-LVNDE	1.380	90		sl. wear
207.	V1b1	Ilger	ILG[...][VN]	0.715	200	cut ½d	worn
208.	V1b1	Raulf	RAVLf-ON-LVNDE	1.312	30		worn?
209.	V1b1	Walter	WALTER-ON-LVN	1.346	180		some wear?
210.	V1b1	Walter	WAL[...][N-LV	1.303	300	bent	worn
211.*	V1b1	Walter	WLATER-ON-LVN	1.352	210		sl. wear?
212.*	V1b2	Abel	ABEL-ON-LVNDE	1.321	30	folded (broken)	unworn
213.*	V1b2	Ilger	ILGER-ON-LVNDE	1.334	0		unworn
214.	V1b2	Rauf	RAVf-ON-LVNDE	1.357	140	bent	sl. wear
215.*	V1b2	Raulf	RA[.....]ND	0.632	240	cut ½d	some wear
216.	V1c	Rauf	[..]Vf-ON-LV[..]	0.579	330	cut ½d	worn
217.	V1c1	Abel	ABEL-ON-LVNDE	1.444	315		some wear
218.	V1c1	Abel	ABEL-ON-LVNDE	1.409	80		sl. wear?
219.	V1c1	Abel	[..]EL-ON-LVNDE	1.244	60	incomplete	unworn
220.	V1c1	Ilger	ILGER-ON-LVNDE	1.316	170		unworn?
221.	V1c1	uncertain	[.....]NDE	0.336	-0	cut ½d	sl. wear
222.	V1c2	Ilger	ILGER-ON[...]	0.675	160	cut ½d; ornamental	
						R, obv.	some wear
223.*	V1c2	uncertain	[.....]N-LV[..]	0.346	200	cut ½d; ornamental h,	sl. wear?
						obv.	
224.	V1c2/V1c3	Rauf	RAVf-ON-LVNDE	1.278	90	ornamental Rs, obv.	sl. wear
225.	V1(c1?)	uncertain	[.....]N-LVNDE	0.483	150	cut ½d; clipped	worn
226.	VIIa	Abel	ABELONLVNDE	1.396	100		some wear
227.	VIIa	Elis	[ELIS]ONLVNDE	1.419	0		unworn
228.	VIIaC	Elis	ELISONLVNDE	1.389	0		sl. wear
229.*	VIIa	Elis	hELISONLVNDE	1.375	300		sl. wear?
230.	VIIa	Ilger	ILGERON[...][DE	1.387	60		some wear
231.*	VIIa	Ilger	ILGERONLVND	1.358	180		sl. wear?
232.	VIIa	Ilger	ILGERONLVND	1.355	240		sl. wear?
233.	VIIa	Rauf	RAUFONLVNDE	1.348	180		sl. wear
234.	VIIa	Rauf	RAVFON[AVFO]DE	1.347	290	d/struck	sl. wear?
235.*	VIIa	Rauf	RA[.]FONLVNDE	1.298	280	ornamental D; has been bent	some wear
236.	VIIaA	Raulf	RAVLfONLVND	1.369	180		sl. wear?
237.	VIIa	Raulf	RAVLfONLVND	1.365	315		sl. wear?
238.	VIIa	Rau(l)f	RA[.....]VND	0.556	150	cut ½d; clipped	worn
239.*	VIIaD or bA	Terri	TER-RIONLVND	1.194	150		unworn?
240.	VIIb	Elis	ELISONLVNDE	1.398	60		sl. wear
241.	VIIb	Ledulf	LEDVLfONLVND	1.217	340	sl. bent	cleaned!
242.	VIIb	Raulf	RAULfONLVND	1.453	0		sl. wear
243.*	VIIb	Raulf	RAVLfONL[...]	1.398	270		sl. wear?
244.	VIIb	Raulf	RAVLfONLVN	1.354	120		sl. wear
245.*	VIIb	Ricard	RIC[.....]VND	0.721	270	cut ½d	some wear
246.	VIIbA	Terri	TERRIONLVND	1.387	210		some wear
247.	VIIbA	Terri	TERRIONL[...]	1.305	0		sl. wear?
248.	VIIb	Terri	TERRIONLVND	1.397	240		some wear?
249.	VIIb?	Gifrei	WREIONLVN	1.071	150	bent; clipped	worn
250.*	VIIc	Nichole	NICHOLEONLV	1.235	140		some wear
251.*	VIIc	Nichole	NICHOLEONLV	1.270	20	corroded	sl. wear
252.*	VIIc	uncertain	[.....]LVN	0.599	160	cut ½d	worn
253.	VII	uncertain	[.....]ONLVN	0.603	?	clipped	worn
254.*	VIIIb2	Nichole	NICHOLE ONLVN	1.478	240	triple pellet stops	some wear
NORTHAMPTON							
255.*	Ib	Walter	WALTER-ON-NOR	1.314	270		sl. wear
256.	Ic	uncertain	[.....][NOR	0.430	270	cut ½d	unworn

				Weight (g)		Axis	Notes	Wear
257.	Vb2	Robert T	[.....]DTON-NOR	0.676	90		cut ¼d	sl. wear?
258.*	Vc	Adam	ADAM-ON-NORh	1.294	0		buckled	some wear
NORWICH								
259.*	Vb2	Renaud	RENAVD-ON-NOR	1.414	0			sl. wear
260.*	Vb3	Gifrei	GIFREI-ON-NOR	1.328	0			sl. wear?
261.	Vb	Gefrei	[...]REI-ON[...]	0.497	240		cut ¼d; clipped	worn
OXFORD								
262.	Ib	uncertain	[...]XEN[...]	0.328	?		cut ¼d	corroded
263.	Vb1	Henri	hE[... ..]SE	0.647	-100		cut ¼d; d/struck	sl. wear?
ROCHESTER								
264.	Vb2	Alisandre	[...]SAN-ON[...]	0.758	280		cut ¼d; BNJ 59 rev. die a2	some wear
265.	Vb2	Hunfrei	[...]FREI-ON[...]	0.556	250		cut ¼d; sl. bent	sl. wear?
WINCHESTER								
266.	Ia2	uncertain	[.....]IN	0.442	60		cut ¼d	worn
267.	Ia4	Adam	ADAM-ON[.]PINC	1.345	260		holed (recent)	worn
268.	Ic	Adam	ADAM-ON-WINC	1.133	30		bent	corroded
269.	Ic	Gocelm	GOCELM-ON-WIN	1.176	200		has been bent	worn
270.	IIIab2	Gocelm	GOCELM[.....]	0.756	300		cut ¼d	unworn
271.	Vb1	Iohan	IOhAN-ON-WINC	1.346	100			some wear
272.	Vb1	Lukas	LVK[... ..]INC	0.506	240		cut ¼d; bent	some wear
273.	Vb	Lukas	LVK[... ..]WINC	0.635	120		cut ¼d; sl. bent	unworn?
274.	Vb	uncertain	[.....]ON-WIN	0.731	120		cut ¼d	sl. wear?
YORK								
275.	Ib	uncertain	[.....]ERW	0.386	130		cut ¼d	sl. wear
276.	Ib	uncertain	[.....]RW	0.217	20		frag.	sl. wear
277.*	IVa	Turkil	[...]hIL-ON-E[...]	0.609	270		cut ¼d	worn
278.	IVb	Davi	DA[... ..]ERV	0.465	150		cut ¼d; clipped	some wear
279.	Va2	Davi	DA[... ..]N-EVER	1.158	200		incomplete	corroded
280.*	Vb2	Davi	DAVI-ON-EVER	1.387	200		sl. bent	some wear
281.	Vb2	Davi	[...]VI-ON-EV[...]	0.589	330		cut ¼d	corroded
282.	Vb2	Nicole	NICOLE-ON-EVE	1.378	30		rev. die recut?	sl. wear
283.	Vb2	Nicole	[.....]ON-EVE	0.622	330		cut ¼; BNJ 59 rev. die n8	some wear?
284.	Vlc3	uncertain	[... ..]ERY	0.330	330		cut ¼d	worn
RHUDDLAN								
285.	i	Halli, B.1020	hALLI-O[... ..]VLA	1.411			folded	unworn?
286.*	i	Halli, B.1030?	hA[... ..]	0.300	320		cut ¼d	some wear?
287.	iic	Tomas, B.2310	[...]S-ONRV[...]	0.707	170		cut ¼d; bent	unworn
288.	iic	Tomas, B.2310	TOMAS-O[... ..]	0.624	330		cut ¼d	some wear?
289.*	iie	Simond, B.2520	SIMON-ON-RVLA	1.232	90		sl. bent	unworn
290.	iie	Simond, B.2520	SIMO[... ..]ON-RVLA	1.458	60		rev. die recut?	unworn
291.	iie	Simond, B.2520?	SIM[... ..]VLA	0.567	240		cut ¼d	sl. worn
292.	iic	Simond, B.3315?	SIMO[... ..]VLA	0.676	330		cut ¼d	some wear
293.*	iic	Simond, B.3330	SIMOND-ON-RVLA	1.341	270			unworn
294.*	iic	Simond, B.3330	SIMOND-ON-RVLA	1.215	200		chipped, bent	sl. wear?
295.	iic	Simond, B.3330	SIM[... ..]VLA	0.768	0		cut ¼d	unworn?

				Weight (g)	Axis	Notes	Wear
296.	iiic	Simond, B.3330	[....]ND·OI[....]	0.337	300	cut ½d, frag.	some wear
297.	iiic	Simond, B.3335	SIMON·ON·RVLA	1.433	30		unworn?
298.*	iiic	Simond, B.3335	[...]ON·ON·R[...]	0.557	180	cut ½d; bent	sl. wear?
299.	iiic	Simond, B.3335	SIM[... ..]VLA	0.680	170	cut ½d	sl. wear?
300.	iiic	Simond, B.3335	SRVLA·ON·RVLA	1.473	?	d/s, images at 180° from each other	unworn
301.	iiic	Simond, B.3360	SIMON·ON·RVLA	1.423	180		sl. wear
302.*	iiic	(Simond), B.-?	[.....]·ON·RV[...]	0.607	170	cut ½d; obv. = B.3310ff., recut; rev. as B.3370	sl. wear?
303.*	iiic	Simond, B.-	SIMOND·NO·RVLA (sic)	1.428	300	new rev. die; obv. as B.3210	sl. wear
304.*	iiic	Simond, B.-	SIM[.....]VLA	0.737	270	cut ½d; new rev., as previous coin	sl. wear?
305.*	iv	Simond, B.4010	ALVRNODOMIS	1.358	180	bent	sl. wear?
306.*	iv	Simond, B.4010	same dies	1.287	330	sl. bent	unworn?
307.*	iv/v	Henricus, B.4510	hENRICVS·ON·RVLA	1.369	90		unworn?
308.*	v	Henricus, B.5020	hENRICVS·ON·R [flaw]	1.508	270	sl. bent	unworn

UNCERTAIN

309.	Ib	Alain	ALAIN[... ..]	0.606	180	cut ½d; bent 90°	sl. wear
310.	Ib	Hugo	hVGO·ON[... ..]	0.621	320	cut ½d	sl. wear
311.	Ib	Willelm	[...]ELM[... ..]	0.346	30	cut ½d	sl. wear
312.	Ib?	uncertain	[...]RA[... ..]	0.289	?	fragments	
313.	III	Ricard	RICARD[... ..]	0.606	60	cut ½d	some wear
314.	IV	Wille(l)m	WIL[... ..]	0.314	140	cut ½d	worn
315.	IVb-c	uncertain	[...]IE·ON[... ..]	0.656	100	cut ½d	worn
316.	IVb	Ricard, London?	RICAR[... ..]	0.804	80	much clipped	worn
317.	IVb	Will...	WILL[... ..]	0.428	240	cut ½d; clipped, bent	worn
318.	IV?	uncertain	[... ..]	1.413	?	folded; poorly struck	worn
319.	Vb	Adam	ADAM[... ..]	0.682	330	cut ½d	worn?
320.	Vb	Ricard ..	RICAR[... ..]	0.517	140	cut ½d; clipped	worn
321.	Vb1 or b2	Roberd	[...]ERD·ON[... ..]	0.414	290	cut ½d; clipped	worn
322.	Vb	Tomas?, York?	[...]A?S·ON·E?[... ..]	0.557	220	cut ½d	worn
323.	Vb	Tomas	TOMAS[... ..]	0.745	320	cut ½d	sl. wear
324.	Vb	uncertain, Lon?	[...]ON·I[... ..]	0.342	270	cut ½d	worn
325.	Vb2-c	Willelm	[...]ELM[... ..]	0.342	?	cut ½d; clipped	worn
326.	Vc	Iohan ..	IOHAN[... ..]	0.654	300	cut ½d	worn
327.	V	London?	[...]LV[... ..]	0.491	?	cut ½d	sl. wear?
328.	V	uncertain	[...]·ON[... ..]	0.311	160	cut ½d	sl. wear
329.	VI(b1?)	Walter	WA[... ..]	0.475	250	cut ½d	worn
330.	VI	Walter	WALTE[... ..]	0.644	250	cut ½d	worn
331.	VI-VII	uncertain	?	frags.		cut ½d	worn, corr.
332.	VIIa	Rauf?	[...]VF·ON[... ..]	0.475	300	fragment	sl. wear?
333.	VII?	Willelm	WILWEL[... ..]	0.407	?	cut ½d; clipped	much worn
334.	VIIIb3	Nichole	NIC[... ..]N?	0.571	180	cut ½d; bent	worn
335.	?	uncertain	[...]RN[... ..]	0.393	180?	cut ½d; counterfeit?	sl. wear
336.	?(Ib?)	uncertain	[...]VFR[... ..]	0.184	?	fragment	sl. wear?
337.	?	uncertain [defaced: Short Cross or earlier?]		0.482	?	cut ½d	(-)

COUNTERFEIT

338.*	'Va/Vb mule'?		[...]ON·CAN	0.632	320	cut ½d; die-dupl. NC 1995, p. 240. RE I.	unworn
339.*	'Va'	'Alisandre'	ALI[... ..]	0.382	160	cut ½d; same rev. die as NC 1995, p. 241. RE 2iii.	some wear?

				Weight (g)	Axis	Notes	Wear
340.*	'Vb'	'Iohan, London'	IOHAN-ON-LVND	1.401	180	die-dupl. NC 1995, p. 241, RE 5.	unworn
Long Cross Coinage							
BURY							
341.	Iib	Ion	ION-ONS-EDM-VND	1.213	270		sl. wear
342.	V	(Ion)	[...]-ONS-EIN-[...]	0.591	330	cut ½d	worn
343.	Va3-b2	Randulf	[...]-FON-S'ED	0.671	320	cut ½d	some wear
344.	Vb-c	Randulf	[...]-DVL-[...]	0.325	300	cut ½d	sl. wear
345.	Vc	Randulf	[...]-DVL-FON-[...]	0.371	110	cut ½d; clipped	worn
346.*	VII	(Ioc?)	[...]-ONS-EIN	0.373	90	cut ½d; clipped	worn
CANTERBURY							
347.	IIIb	uncertain	[...]-WC-ANT	0.559	330	cut ½d	some wear?
348.*	III	Nichole	NIC-[...]-ANT	0.590	230	cut ½d; bent	sl. wear
349.	Vb2	Nichole	NIC-OLE-ONC-ANT	1.105	240		unworn
350.	Vb	Nichole	NIC-[...]-ANT	0.532	60	cut ½d	sl. wear
351.*	Vc	Willem	WIL-LEM-ONC-ANT	1.355	190		some wear
352.	Vc	uncertain	[...]-CAN-TER	0.753	200	cut ½d	sl. wear
353.*	Vc	uncertain	[...]-ON-CAN	0.668	100	cut ½d	some wear
354.	Vc	uncertain	[...]-ONC-ANT	0.657	200	cut ½d	sl. wear
355.	Vc-h	Walter	WAL-[...]-ANT	0.707	300	cut ½d; bent	some wear
356.	Vc on	uncertain	[...]-ONC-ANT	0.674	210	cut ½d	sl. wear
357.	Vg	Walter	WAL-TER-ONC-ANT	1.030	280		sl. wear
358.	Vg?	Nichole	NIC-[...]-ANT	0.642	180	cut ½d	some wear
359.	Vg?	Robert	[...]-ERT-ONC-[...]	0.755	0	cut ½d	sl. wear?
360.	V	Ion	IOH-SON-[...]	0.441	120	cut ½d; clipped	sl. wear
361.	V	Nichole	NIC-[...]-ANT	0.662	140	cut ½d	worn
362.	V	Nichole	[...]-OW-ONC-[...]	0.579	0	cut ½d	some wear
363.	V	W ...	W[...]-ANT	0.459	80	cut ½d, frag.	
364.	V	uncertain	[...]-ONC-ANT	0.635	230	cut ½d	sl. wear
365.	V?	uncertain	[...]-ONC-ANT	0.406	0?	cut ½d; clipped; obv. irregular?	worn
366.	V	uncertain	[...]-ONC-[...]	0.318	20	cut ½d	worn
DURHAM							
367.	Vc	Ricard	RI[...]-OND-VR[...]	0.731	210	penny, broken	worn
EXETER							
368.	II-IIIa	Ion	[...]-N-ONE-CCE	0.797	0	fragment	worn
GLOUCESTER							
369.	Iib	Lucas	LVC-[...]-LOV	0.715	240	cut ½d; bent	worn
ILCHESTER							
370.	IIIa	Huge	hVG-[...]-LCE	0.850	270	cut ½d	worn
LINCOLN							
371.	IIa	uncertain	[...]-ONL-INC	0.391	150	cut ½d; clipped	sl. wear
372.*	IIIb	Ion	ION-ONL-INC-OLN	1.262	60		sl. wear?
373.	IIIc	Ion?	[...]-INC-OLN	0.543	240	cut ½d; bent	some wear

LONDON

374.	IIb	Nichole	NIC-[...]-VND	0.495	100	cut ½d; clipped	sl. wear?
375.	IIIa	Nichole	NIC-OLE-ONL-VND	1.350	60		sl. wear?
376.	IIIab1-2	Nichole	NIC-[...]-VND	0.766	240	cut ½d	worn
377.	IIIab1-2	Nichole	[...]-OLE-ONL-[...]	0.444	60	cut ½d; clipped	sl. wear
378.	IIIa-b	uncertain	[...]-ONL-VND	0.562	150	cut ½d; frag.	sl. wear?
379.	IIIb	Henri	hEN-RIO-NLV-NDE	1.379	200		some wear
380.*	IIIb	Nichole	NIC-OLE-ONL-VND	1.336	120		unworn
381.	IIIb	Nichole	NIC-OLE-ONL-VND	1.197	30		worn
382.	IIIb-bc	uncertain	[...]-ONL-VND	0.700	150	cut ½d	sl. wear
383.	IIIbc	Nichole	[...]-OLE-ONL-[...]	0.576	100	cut ½d; obv. <u>ENR</u>	sl. wear
384.	IIIbc	uncertain	[...]-NLV-NDE	0.728	90	cut ½d; obv. <u>ENR</u>	unworn
385.	IIIb-c	Nichole	NIC-[...]-VND	0.567	320	cut ½d	sl. wear
386.*	IIIc	Henri	hE[...]-NDE	0.572	0	frag. of cut ½d	sl. wear
387.	IIIc	Nichole	NIC-OLE-ONL-VND	1.430	30		unworn
388.	IIIc	Nichole	NIC-[...]-VND	0.697	80	cut ½d	sl. wear
389.*	III	uncertain	[...]-NLV-NDE	0.549	90	cut ½d; bent	sl. wear
390.	III	uncertain	[...]-NLV-NDE	0.610	20	cut ½d; bent	worn
391.	III-IV	Nichole	NIC-[...]-VND	0.579	320	cut ½d	sl. wear
392.	III-IV	uncertain	[...]-NLV-NDE	0.563	30	cut ½d	worn
393.	Va1-2	uncertain	WV-[...]-VND	0.535	200	cut ½d	worn
394.	Va2	Henri	hEN-[...]-NDE	0.735	160	cut ½d; folded	sl. wear
395.*	Va2-3	uncertain	[...]-ONL-VND	0.598	150	cut ½d	sl. wear
396.	Va-b?	uncertain	[...]-ONL-VND	0.444	80	cut ½d; clipped	sl. wear
397.	Va-b	uncertain	[...]-ONL-VND	0.625	180	cut ½d	sl. wear
398.*	Va; Vb2-c	uncertain	[...]-ONL-VND	0.607	150	cut ½d	sl. wear?
399.	Vb	Ricard	RIC-[...]-WNL-WW	1.163	?	incomplete; d/struck; bent	unworn
400.	Vb	uncertain	[...]-ONL-VND	0.608	140	cut ½d	worn
401.	Vc	Davi	DAV-ION-[...]	0.686	150	cut ½d	some wear
402.	Vc	Nichole	NIC-[...]-VND	0.640	330	cut ½d; double-barred N	sl. wear
403.*	Vc	Willem	[...]-LEM-ONL-[...]	0.638	30	cut ½d	sl. wear
404.	Vc	uncertain	[...]-ONL-VND	0.667	30	cut ½d	unworn
405.	Vc	uncertain	[...]-NLV-NDE	0.580	200	cut ½d	some wear
406.	Vc?	uncertain	[...]-ONL-VND	0.502	330	cut ½d; has been bent	sl. wear
407.*	Vd?	uncertain	[...]-ONL-[...]	0.349	100	cut ½d; clipped	sl. wear
408.*	Vf	Henri	hEW-RIO-NLV-NDE	1.231	180		sl. wear
409.	Vf	uncertain	[...]-LVN-DEN	0.570	30	cut ½d	some wear
410.	Vf-h	uncertain	[...]-OWL-VND	0.628	270	cut ½d	sl. wear
411.	Vg	Renaud	REN-AVD-ONL-VND	1.297	140	bent, chipped	sl. wear
412.	Vg	Renaud	REN-AVD-ONL-VND	1.172	30	bent	sl. wear
413.	Vg	Renaud	REN-AVD-ONL-VND	1.047	220	clipped	some wear
414.	Vg	Renaud	REN-[...]-VND	0.661	200	cut ½d	sl. wear
415.	Vg-h	Renaud	REN-[...]-VND	0.382	120	cut ½d; clipped	sl. wear
416.	Vg	uncertain	[...]-WV0-NLV-[...]	0.585	300	cut ½d	sl. wear
417.	Vg	uncertain	[...]-ONL-VND	0.565	120	cut ½d	worn
418.	Vg?	Nichole	[...]-OLE-ONL-[...]	0.628	300	cut ½d	some wear
419.	Vg?	uncertain	[...]-ONL-VND	0.629	180	cut ½d	worn
420.	V	Ricard	RIC-[...]-VND	0.607	100	cut ½d	unworn
421.	V	Ricard	RIC-[...]-VND	0.601	240	cut ½d	sl. wear
422.	V	Ricard	[...]-ARD-ONL-[...]	0.582	30	cut ½d	sl. wear
423.	V	uncertain	[...]-ONL-VND	0.692	330	cut ½d	sl. wear
424.	V	uncertain	[...]-ONL-VND	0.603	300	cut ½d	sl. wear
425.	VII	Renaud	[...]-AVD-WV-[...]	0.441	340	cut ½d; clipped	some wear
426.*	class?	uncertain	[...]-NDE	0.410	330	cut ½d	unworn

				Weight (g)	Axis	Notes	Wear
NEWCASTLE							
427.*	IIIb	Henri	hEN-RIO- <u>NNE</u> -WEC	1.242	0	sl. bent	some wear
428.	III	uncertain	[...]-NNE-WEC	0.615	120	cut ¼d	sl. wear
429.	IIIb-c	uncertain	[...]- <u>W</u> -NNE-[...]	0.527	300?	cut ¼d; clipped	worn
430.*	III	uncertain	[...]-CAS	0.308	180	cut ¼d; clipped, broken	unworn
NORTHAMPTON							
431.	IIIa	Lucas	[...]-ASO-NNO-[...]	0.603	300	cut ¼d	sl. wear
432.	IIIb	Lucas	LVC-ASO-ONN- <u>QRh</u>	1.337	100		sl. wear
433.	IIIa-b	Tomas	[...]-ASO-NN-[...]	0.610	240	cut ¼d	sl. wear
OXFORD							
434.	IIIb?	Adam	[...] <u>MQN</u> -OXO-[...]	0.452	240	cut ¼d; clipped	some wear
SHREWSBURY							
435.	IIIa	Nicole	NIC-[...]-ROS	0.688	200	cut ¼d	some wear
WILTON							
436.*	IIIb	Ion	ION- <u>QNW</u> -ILT-[...]	1.262	180		some wear
437.	III	Willem	WIL-[...]-WIL	0.626	320	cut ¼d	sl. wear
YORK							
438.*	IIb	Rener	REN-ERO[...]	0.828	120	cut ¼d	sl. wear?
439.	IIIb	Tomas	<u>TOM</u> -[...]- <u>ERW</u>	0.659	160	cut ¼d	sl. wear
440.	IIIb	uncertain	[...]-ONE- <u>VER</u>	0.576	150	cut ¼d	unworn?
UNCERTAIN MINTS							
441.*	Ib/II	Nicole	NIC-OLE-[...]	0.631	340	cut ¼d	unworn
442.*	IIIa	Willem	WIL- <u>LEM</u> -[...]	0.739	150	cut ¼d	unworn
443.	IIIb	Lucas	LVC-ASO-[...]	0.699	30	cut ¼d	some wear
444.	IIIb	Nichole	NIC-OLE-[...]	0.731	330	cut ¼d	sl. wear?
445.	IIIb-c	Nichole	NIC-OLE-[...]	0.610	330	cut ¼d	sl. wear?
446.	IIIb-c	Willem	[...]- <u>LEM</u> - <u>QNW</u> -[...]	0.621	100	cut ¼d	sl. wear?
447.	IIIc	Walter	WAL-TER-[...]	0.771	0	cut ¼d	some wear
448.	IIIc?	Henri	hEN-RIO-[...]	0.680	330	cut ¼d	some wear
449.	III	Henri	hEN-RIO-[...]	0.535	30	cut ¼d	worn
450.	III	Nichole	NIC-[...]	0.415	240	cut ¼d; frag.	sl. wear?
451.	III	Willem	WIL- <u>LEM</u> -[...]	0.569	330	cut ¼d	sl. wear?
452.	III	uncertain	[...]- <u>WER</u> ?- <u>TOW</u> -[...]	0.593	?	cut ¼d; chipped; ?Gilbert/Cant. or Tomas/York	worn
453.	III	uncertain	[...]- <u>W</u> -ONN-[...]	0.615	270	cut ¼d	worn
454.	III	uncertain	[...]-ION-...	0.245	160	cut ¼d; frag.	some wear
455.	III-IV	Henri	hEN-[...]	0.367	270	cut ¼d	sl. wear
456.	III-IV	Nichole	[...]-OLE-[...]	0.302	180	cut ¼d	sl. wear
457.	Va-b	Willem	WIL- <u>LEW</u> -[...]	0.500	240	cut ¼d	unworn?
458.*	Va-c	Willem	WIL-[...]	0.350	0	cut ¼d	sl. wear?
459.*	Vc	Nichole	NIC-OLE-[...]	0.689	240	cut ¼d	sl. wear
460.	Vc	Ricard	RIC- <u>ARD</u> -[...]	0.565	170	cut ¼d	sl. wear
461.	Vc	uncertain		0.287	?	cut ¼d; much clipped	worn
462.*	Vc-g	Ricard	RIC-[...]	0.445	190	frag. of cut ¼d	unworn

				Weight (g)	Axis	Notes	Wear
463.	Vg	Renaud	REN-AVD-[... ...]	0.575	180	cut ½d	some wear
464.	Vg	Renaud	REN-AVD-[... ...]	0.425	130	cut ½d; clipped	some wear
465.	Vg-h	Renaud	[...]-AVD-QN\-[...]	0.615	280	cut ½d; clipped	worn
466.	Vg-h?	Ricard	RIC-\W\-[... ...]	0.480	150	cut ½d; clipped	worn
467.	V	Nichole	NIC-OLE-[... ...]	0.633	30	cut ½d	unworn
468.	V	Nichole	NIC-\[... ...]	0.468	20	cut ½d (frag.)	worn
469.	V	uncertain	[... ...]-ONL?-W\	0.363	?	cut ½d; clipped	sl. wear
470.	VII	uncertain		0.302	?	cut ½d, severely clipped	sl. wear
471.	?	uncertain		0.459	?	frags.	some wear?
472.	?	uncertain		0.307	?	cut ½d, severely clipped	worn
473.	?	uncertain		0.301	?	cut ½d; clipped	worn

COUNTERFEIT

474.*	'III'	uncertain	RIE-ORD-RIE-SED(?)	1.149	?		some wear
475.*	'VI'	uncertain	RIE-R\W\-\W\-\ARIC	1.176	?		sl. wear

Sterlings

Edward I

476.	penny	1c	London	1.292	30		some wear
477.*	penny	1d	London	0.972	180	frag.	sl. wear
478.*	penny	1d	London	0.946	90	frag.	worn
479.	penny	2a	London	1.318	20	N of LON double-barred	sl. wear
480.	penny	2a	London	1.302	60	buckled	some wear
481.*	penny	2a	London	1.297	330		some wear
482.	penny	2b	Bristol	1.329	10		worn
483.	penny	2b	London	1.340	90		unworn
484.	penny	2b	London	1.213	330	incomplete	sl. wear?
485.	penny	3c, early h	London	1.390	200		worn
486.	penny	3d	Bristol	0.973	240	frags.	sl. wear
487.	penny	3d	Lincoln	1.165	90	bent, chipped	some wear
488.	penny	3d	London	1.336	210	bent	sl. wear
489.	penny	3d	London	1.312	270	chipped	sl. wear
490.	penny	3d	London	1.123	30	frag.; has been bent	sl. wear
491.	penny	3e	York	1.240	30		sl. wear?
492.	penny	3f	Canterbury	1.284	240		sl. wear
493.*	penny	3g	London	1.197	330	large fragment	some wear
494.	penny	3	York	1.145	?	chipped; d/struck	sl. wear
495.	penny	4a ₄	Canterbury	1.354	300		sl. wear
496.	penny	4a	Canterbury	1.322	180		unworn?
497.*	penny	4a ₄	London	1.319	180		sl. wear?
498.	penny	4a	London	1.361	90		worn
499.	penny	4b	Canterbury	1.308	200	bent	sl. wear?
500.	penny	4b	London	1.233	0		unworn?
501.*	penny	4b	London	1.269	270	corroded	some wear
502.	penny	4c	London	1.372	90		unworn
503.	penny	4c	London	1.258	330	bent, chipped	some wear?
504.*	penny	4c	Canterbury	1.418	180		some wear
505.	penny	4c?	Canterbury	1.325	200		some wear
506.	penny	4d	Canterbury [CIVI]	1.312	180	chipped	sl. wear?
507.	penny	4	Canterbury	1.358	80		worn
508.*	penny	4	Durham	1.098	290	incomplete	sl. wear
509.	penny	4	York	1.338	240	folded	worn

				Weight (g)	Axis	Notes	Wear
510.	penny	4?	London	1.417	?	wt. includes earth	worn?
511.	penny	9a?	London	1.390	90	has been folded	unworn
512.	penny	9b ₁	London	1.310	200	buckled	sl. wear
513.*	penny	9b	Kingston-upon-Hull	1.334	330	chipped	worn
514.	penny	9b	London	0.658	30	frag., approx half cut? or broken by folding	worn
515.	penny	9	Bury St Edmunds	1.475	?	folded, rev. visible; wt. includes earth	worn
516.*	penny		Berwick, type IVa	1.472	180		unworn
517.*	penny		Berwick, type IVc	1.374	330		unworn
518.	halfpenny	3c-e	London	0.626	240		some wear
519.	halfpenny	3c-e	London	0.600	180		worn
520.	halfpenny	3c-e	London	0.597	180	buckled	worn
521.	halfpenny	3g	London	0.673	320	bent	sl. wear
522.*	farthing	3de	Lincoln	0.307	90		some wear
523.	farthing	3de	York, N.1053/2	0.303	180		unworn

Edward I-II

524.	penny	10cf2	London	1.204	280	corroded	sl. wear?
525.	penny	10cf3	Canterbury	0.573	200	frag.	worn
526.	penny	10cf	Canterbury	1.266	0	corroded	sl. wear?
527.	penny	10cf	Canterbury	1.241	30	bent, chipped	worn
528.	penny	10cf	Canterbury	1.133	270	clipped	worn
529.	penny	10cf	London	1.369	160	buckled	unworn
530.	penny	10cf	London	1.061	170	incomplete	sl. wear?
531.	farthing	10-11	London	0.320	120		sl. wear?
532.	penny	?	uncertain	0.607	?		much worn

*Later medieval coins**Edward III*

533.*	penny	'Florin', D1	Durham	1.156	270	cf. <i>SCBI</i> 39, 1094	some wear
534.	half groat	Pre-Treaty D	London	2.110	120		sl. wear
535.	penny	Post-Treaty?	York, as N.1295?	0.913	30		worn
536.*	penny		York	0.707	?	bent, chipped	much worn
537.	penny		York	0.706	90		much worn
538.	penny		Ed.III, York?	0.623	?	battered	much worn
539.	halfpenny	London		0.166	?	frag., clipped	much worn

Edward IV, 1st reign

540.*	penny, light coinage		York, local dies, N.1594	0.612	280		sl. wear?
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Edward IV, 2nd reign

541.	penny		Durham, local dies, N.1666	0.581	20	bent	worn
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Edward IV?

542.	penny		York, local dies	0.627	100		worn
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Weight (g) Axis Notes

Wear

Post-medieval coins

Henry VII

543.	half groat, facing bust, 3a	Canterbury	1.425	330		worn
544.	half groat, facing bust, 3a	London, p.m. lys N.1708	0.930	80	chipped	worn

Mary

545.	groat		0.879	?		worn flat
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Elizabeth I

546.	shilling	p.m. Tun	5.617	100	bent	unworn?
547.	threepence?		1.079	?		worn flat
548.	half groat	p.m. Hand	1.089	90	bent	worn
549.	half groat	p.m. Tun?	0.893	180		much worn

James I

550.	penny	p.m. uncertain	0.470	?	rolled	sl. wear?
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Uncertain

551.	?a post-1662 'crooked' sixpence		1.714			worn flat
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Victoria

552.	fourpence	1840	1.770			worn
553.	threepence	1900	1.376			some wear

Scotland

William I, crescent and pellet coinage

554.	uncertain fragment		0.394			sl. wear?
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William I, Short Cross Coinage with mint name

555.	Hue, Edinburgh	W[.....]S·R[...]/h[.....] DNEB:	0.731	?	cut ½d, bent	unworn?
556.*	(Walter), Perth	[...]WILA[...]/[...]NPER[...]	0.585	-210	cut ½d; same rev. die as Burns, pl. V, 44a	some wear

William I, Short Cross coinage without mint name

557.*	II	Hue Walter	L[.....]/[...]WA[.....]	0.633	150?	cut ½d; cf. SCBI 35, 63	some wear
558.*	III	Hue Walter	LERE[.....]/[...]WA[.....]	0.677	60?	cut ½d; cf. SCBI 35, 70	worn?
559.*	IV	Henri Le Rus	[.....]LAM[...]/[...]RILER[...]	1.410	30	cf. SCBI 35, 78	some wear
560.	IV	Henri Le Rus	[...]REIW[...]/[...] RILER[...]	0.782	-330	cut ½d	worn

				Weight (g)	Axis	Notes	Wear
561.	IV	Henri Le Rus	LER[... ..]/h[... ..]				
			RVS	0.569	30	cut ¼d	worn
562.	IV	Henri Le Rus	[... ..]WIL[...]/[... ..]NWLE[...]	0.498	280	cut ¼d	worn
563.		Hue Walter?	/[... ..]LTER[...]	0.594		cut ¼d	some wear
564.		uncertain	[... ..]ILA/[... ..]E	0.585		cut ¼d	unworn
565.		uncertain	[... ..]ER[...]/illegible	0.251	?	cut ¼d	some wear?

Alexander III, Long Cross Coinage

566.	II	Walter	[... ..]WA[... ..] (Glasgow)	0.254	?	cut ¼d; same dies as Burns pl. XII, 118B; same rev. die as SCB/ 35, 95	some wear
567.*	II	Robert	ROB-[... ..] (Berwick)	0.529	180	cut ¼d	some wear
568.*	VII	Ion Cokin, Perth	ION-CO-ON-PER	1.404	150	? same rev. die as Spink 57, 101	sl. wear
569.		Walter, Glasgow?	bust 1./[... ..]-LT-[... ..]	0.371	0	cut ¼d	sl. wear

Alexander III, Sterling

570.	penny, class E		?	1.430	?	folded, obv. only visible	sl. wear?
571.*	penny, class E?		26 points	1.381	70		unworn
572.	halfpenny		2 × 6 points	0.610	270	chipped	some wear

*Ireland**John, Dominus, coinage of c. 1190–99*

573.*	halfpenny	Adam, Dublin	ADAMONDV[...]	0.679	120		worn
574.*	halfpenny	Willelm, Dublin	WI[... ..]ONDV	0.655	~90	class IIa, dies I/I as SCB/ 10, 275–81	sl. wear

John, coinage of 1204/5–10

575.		Roberd, Dublin	ROBE-RDON-DIVE	1.385			unworn
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Henry III, Long Cross Coinage

576.*	1e	(Davi)	[... ..]-EVE-LIN	0.624	290	cut ¼d	sl. wear
577.	Dykes A	Ricard	RIC-ARD-[... ..]	0.586	180	cut ¼d; cf. SCB/ 10, 428–9 for dies?	unworn
578.		uncertain	[... ..]-OND-I[...]	0.475	100	cut ¼d; frag.	sl. wear
579.		Davi	[... ..]-ION-[... ..]	0.301	180	cut ¼d	sl. wear

Edward I

580.	penny	North A–B	Dublin	0.687	20	frags.; clipped	worn
581.	penny	North C(2)	Dublin	1.211		chipped; obv. S1	
582.	farthing	group I	Waterford	0.301	270		sl. wear
583.*	farthing	group I	Dublin	0.406	200		sl. wear?
584.	farthing	North B2?	Dublin	0.316	330	obv. ER-ANG-LIE	sl. wear?
585.*	farthing	North B2?	Dublin	0.374	240	obv. ERA-IIG-LIE	sl. wear?

			Weight (g)	Axis	Notes	Wear
Continental						
<i>Brabant, John I (1261–94)</i>						
586.*	Sterling ('Brabantinus')	Walt, Mayhew type 1	1.322	270		some wear
<i>Brabant, John I, or II (1294–1312)</i>						
587.*	Brussels Sterling (crocard)	Mayhew 40	1.342	10		some wear?
<i>Flanders, Gui de Dampierre (1279–1305)</i>						
588.*	Alost Sterling	Mayhew 1	1.356	150		sl. wear
<i>Hainaut, Jean d'Avesnes (1280–1304)</i>						
589.*	Valenciennes sterling	Mayhew 24	1.239	60	chipped	sl. wear?
<i>Louvain, John (1285–1309)</i>						
590.*	Herstal sterling	Mayhew 80 (later 1290s)	1.108	200		sl. wear

Jetton

French, Crown/cross fleurdelysé, probably post-1340	1.880	much chipped
591. +AVEM[...A]:GRACIA:PLEN; stops, double saltires		.

Uncertain

592. Silver disc: ?penny or similar, hammered flat	0.985
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APPENDIX 2: SUPPLEMENTARY COINS REPORTEDLY FOUND AT LLANFAES

The following list is compiled from information kindly supplied by Denis Martin. These coins have not been examined by the writer, and the identifications are almost entirely as supplied, as are readings, where given. Because these identifications have not been checked independently, and the possibility that there may be some overlap with the main series, these coins are not included in the figures given in Tables 1–5.

Henry II Tealby

- 1a. Uncertain fragment
- 2a. Uncertain, cut ½d

Short Cross

3a.	1a	Northampton	Raul	[..]AVL-ON-NO[.]	cut ½d; square C on obv.
4a.	1b	London	Reinald		
5a.	1b	?	Walter		
6a.	1b?	?	Raul	RAVL-[.....]	cut ½d
7a.	1b?	?	?		cut ½d?, broken

8a.	Ib	London	?	[.....]LVN	cut 1/2d
9a.	IVa	Canterbury	Reinald		cut 1/2d
10a.	Vb2	London	Ilger	ILGER-ON-LVNDE	
11a.	Vb2	Winchester	Miles	MILES-ON-WINCE	
12a.	Vb3	King's Lynn	Iohan	IOHAN-ON-LEN	
13a.	Vb	London	Rener		
14a.	Vb	London	Willelm L		
15a.	Vc	London	Abel	ABEL-ON-LVN	
16a.	Vc	London	?		cut 1/2d
17a.	V?	Canterbury	Colwine	COL[.....]N-CA	cut 1/2d
18a.	V?	Canterbury	Roberd	ROBERD-ON-CANT	
19a.	Via2	London	Rauf	RAVF-ON-LVND	
20a.	Via	Canterbury	Iohan	IOHAN-ON-CAN	
21a.	Via	London	Ilger	ILGER-ON-LVNDE	
22a.	Vib	London	Abel	ABEL-ON-LVNDE	
23a.	Vib?	London	Abel	ABEL-ON-LVNDE	
24a.	Vib	London	Walter	WALTER-ON-LV	
25a.	Vic1	London	Abel	ABEL-ON-LVNDE	
26a.	Vic3	London	Abel		
27a.	Vic3	London	Ilger	ILGER-ON-LVNDE	
28a.	VI	Canterbury	Roger..	ROG[.....]NT	cut 1/2d
29a.	VI?	?	?		cut 1/2d
30a.	VI?	London	Ilger		cut 1/2d
31a.	VI-VII	Canterbury	Tomas	TO[... ..]NTE	cut 1/2d
32a.	VIIa	Canterbury	Walter	WALTERONCANT	
33a.	VII(a?)	London	Elis	ELISONLVN-DE	
34a.	VIIb	Canterbury	Ioan Chic	IOAN-CHIC-ONCA	Ns reversed
35a.	VIIc	London	Adam	ADA[... ..]NDE	
36a.	VII	Bury	Norman		
37a.	VII	Canterbury	Henri		
38a.	VII	Canterbury	Henri		
39a.	VII	Canterbury	Tomas		cut 1/2d
40a.	VII	London	Elis		
41a.	VII?	?	Willelm	WILLELM[... ..]	large fragment
42a.	VIIIb1?	Canterbury	Nichole		fragment
43a.	?	Canterbury	Willem		folded
44a.	?	Canterbury	?	[.....]ONC[...]	cut 1/2d
45a.	?	London	Willelm	WILLELM-ON-LV	
46a.	?	London	?	[.....]E-ONLVN	cut 1/2d
47a.	?	London	Rau..		cut 1/2d
48a.	?	London	Walter		cut 1/2d
49a.	?	London	?		cut 1/2d, bent
50a.	?	?	Adam		cut 1/2d
51a.	?	?	Rob..	ROB[.....]	cut 1/2d
52a.	?	?	Tomas	TOM[ON...]	cut 1/2d
53a.	?	?	?		cut 1/2d
54a.	?	?	?		cut 1/2d/cut 1/2d
55a.	?	?	?		cut 1/2d
56a.	?	?	?		cut 1/2d
57a.	ii	Rhuddlan	Tomas	TOMAS-ONRVLA (N reversed)	(= B.2410? - 'same obv. die as Elmore Jones 1837')
58a.	iii	Rhuddlan	Simond	SIMOND-NO-RVLA	(as nos 303-4?)
59a.	iii	Rhuddlan	Simon(d)	SIMON-ON-RVLA	(several possibilities)
60a.	iii	Rhuddlan	Simon(d)	SIMON-ON-RLVA	'same dies as previous'
61a.	iii	Rhuddlan	Simon(d)	SIMON-ON-RVLA	'same dies as previous'
62a.	c'feit?			'garbled legend'	cut 1/2d

Long Cross

63a.	II-III	Exeter			fragment
64a.	IIIa	Hereford	Walter	WAL-[... ..]-ERE	cut 1/2d

65a.	IIIa	Northampton	Lucas		cut ½d, broken
66a.	IIIab	Carlisle	Adam		cut ½d
67a.	IIIb	Northampton	Tomas		
68a.	III	Bristol	Walter		
69a.	III	Bristol			cut ½d
70a.	III	Canterbury	Willem	WIL-[...]-ANT	cut ½d
71a.	III	Hereford	Ricard		cut ½d
72a.	III	London	Henri		
73a.	III	London	?		cut ½d
74a.	III	London	?	[...]-ONL-VND	cut ½d
75a.	III	Northampton	?		cut ½d
76a.	III?	Canterbury	?	[...]-ONC-ANT	cut ½d
77a.	III	?	?		fragment
78a.	III?	London	Nichole	[...]-OLE-ONL-[...]	cut ½d
79a.	III?	London	?	[...]-EN	cut ½d
80a.	III?	?	Nichole	NIC-OLE-[...]	cut ½d
81a.	III?	?	?		cut ½d
82a.	III?	?	?	'unusual legend'	(counterfeit?)
83a.	Va-b	Canterbury	?	[.....]ONCANT	fragment
84a.	Vc	London	Henri	hEN-RIO-NLV-ND	
85a.	Vc	London	Ion	ION-[...]-DEN	cut ½d
86a.	Vg	Canterbury	Walter	WAL-TER-ONC-ANT	
87a.	Vg	London	Renaud	REN-AVD-ONL-VND	
88a.	Vg	?	Ricard	RIC-ARD-[...]	cut ½d
89a.	V?	Canterbury	Nichole	[...]-OLE-ONC-[...]	cut ½d
90a.	V?	London	?	[...]-VND	cut ½d
91a.	V?	?	Willem	[...]-LEM-[...]	cut ½d
92a.	?	Canterbury	Gilbert		folded
93a.	?	Canterbury	Nichole	[...]-OLE-ONC-[...]	cut ½d
94a.	?	London	?	[.....]-VND	cut ½d
95a.	?	?	?		cut ½d

Sterlings

96a.	Edward I	penny	3d	London	
97a.		penny	3d	London	
98a.		penny	3g	Bristol	
99a.		penny	3g	London	
100a.		penny	3	Canterbury	
101a.		halfpenny		London	fragment
102a.		farthing		Lincoln	
103a.		farthing		London	fragment
104a.	Edward I/II	penny	10cf	Canterbury	
105a.	Edward I/II	penny	10cf	Canterbury	
106a.	Edward I/II	penny	10cf	Durham	
107a.	Edward II	penny	13	Canterbury	

Post-medieval

108a.	Elizabeth I	half groat	p.m. Crescent
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Ireland

109a.	Long Cross	Dublin, Davi		cut ½d
110a.	Long Cross	Dublin, Ricard	RIC-[...]-VEL	cut ½d
111a.	Edward I	halfpenny	Dublin	

Uncertain

112a.	'Unidentified fragments'.
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Summary

	<i>Pennies</i>	<i>Halves</i>	<i>Quarters</i>	<i>Other</i>	<i>Total</i>
Henry II, Tealby		1		1	2
Short Cross	33	15	9	3	60
Long Cross	8	18	4	3	33
Sterlings	9	1	2		12
Irish		3			3
Post-medieval				1	1
Uncertain				1	1
Totals	50	38	15	9	112

APPENDIX 3: FINDS OF SHORT CROSS COINS FROM WALES

<i>County</i>	<i>Place</i>	<i>Site type</i> <i>(where known)</i>	<i>Class</i>	<i>Mint</i>	<i>Moneyer</i>	<i>Denom.</i>
Clwyd	Dyserth	Castle	5b	Canterbury	Samuel	penny
Dyfed	Dyserth	Castle	7a-c	London	Ilger	penny
Clwyd	Flint		11e	Rhuddlan	Simon	penny
Clwyd	Hen Blas		5a-c	Lincoln	uncertain	cut ½d
Clwyd	Hen Blas		11e	Rhuddlan	Simond	penny
Clwyd	Rhuddlan		1b	London	Iefrei	penny
Clwyd	Rhuddlan		1c	Winchester	Adam	cut ½d
Clwyd	Rhuddlan		1c-4b?	York	Everard	cut ½d
Dyfed	Cardigan		7b-c	(London)	Ledulf	cut ½d
Dyfed	Cardmarthen	Grey Friars	7a-c	London	Ilger	cut ½d
Dyfed	Dryslwyn	Castle	4a	London	Goldwine	penny
Dyfed	Dryslwyn	Castle	6a-c	London	Ilger	penny
Dyfed	Dryslwyn	Castle	6a-c	London	Walter	cut ½d
Dyfed	Fishguard		4a	Canterbury	Roberd	penny
Dyfed	Fishguard		5b	Carlisle	Tomas	penny
Dyfed	Haverfordwest	fair/market site?	5bi	(London)	Ilger	cut ½d
Dyfed	Haverfordwest		8b1	London	Nicole	penny
Dyfed	Llanstephan	ferry	6a-c	uncertain	uncertain	cut ½d
Dyfed	Llanstephan	ferry	7b	London	Raulf	cut ½d
Dyfed	Llanstephan	ferry	7?	uncertain	uncertain	cut ½d
Dyfed	Newport	burgages	4a	Canterbury?	Reinald?	cut ½d
Dyfed	Pembroke		4a	London	Ricard	penny
Dyfed	Pembrokeshire		7bC	London	Adam	penny
Dyfed	Pembrokeshire?		5a11*?	Norwich/ N'hampton	uncertain	cut ½d/broken
Dyfed	Penally		Scotland		Hue, Walter	penny
Dyfed	Slebech		1-4a			hoard (12)
Dyfed	St Florence		7b	Canterbury	Tomas	penny
Dyfed	Tenby		4	Canterbury	Meinir	penny
Dyfed	Tenby		4b	London	Willelm	penny
Dyfed	Tenby		7b	London	Adam	penny
Dyfed	Tenby		7bA	London	Terri	cut ½d
Glamorgan, Mid	Coychurch		4a-c	Norwich	Willelm	penny
Glamorgan, Mid	Ewenny	fair/market site?	5 or 6	Canterbury?	uncertain	cut ½d
Glamorgan, Mid	Ewenny	fair/market site?	6a-c	London	uncertain	cut ½d
Glamorgan, Mid	Ewenny	fair/market site?	7?	uncertain	uncertain	cut ½d
Glamorgan, Mid	Ewenny	fair/market site?	7?	uncertain	uncertain	penny
Glamorgan, Mid	Ewenny	fair/market site?	imitative			cut ½d
Glamorgan, Mid	Ewenny, Corn Town		4?	uncertain	Goldw[...]	cut ½d
Glamorgan, Mid	Merthyr Mawr		5b	London	Fulke	cut ½d
Glamorgan, South	Barry		5c	London	Walter	penny
Glamorgan, South	Cardiff	Castle	6b	Canterbury	Iohan	penny
Glamorgan, South	Five Mile Lane		4a	London	Ricard	penny

County	Place	Site type (where known)	Class	Mint	Moneyer	Denom.
Glamorgan, South	Llandow			Scotland	Hue, Walter	cut ½d
Glamorgan, South	Llantrithyd		6a	London	Ilger	penny
Glamorgan, South	Llantrithyd		7bB	Canterbury	Willem Ta	penny
Glamorgan, South	St Hilary		uncertain	uncertain	[...],ald	cut ½d
Glamorgan, South	Vale (Penllyn?)		1c	London	Raul	penny
Glamorgan, South	Welsh St Donats		1b	London	Raul	penny
Glamorgan, South	Welsh St Donats		7b	London	Ledulf	penny
Glamorgan, West	Loughor	Castle	5b	uncertain	Ricard	cut ½d
Gwent	Caerleon		4b	London	Ricard	cut ½d
Gwent	Caerleon		7a-c	Canterbury	Roger	penny
Gwent	Caerleon		7?	uncertain	uncertain	penny?
Gwent	Caerleon		iiic	Rhuddlan	Simond	cut ½d
Gwent	Chepstow	Castle gatehouse	1b	Norwich	Reinald	cut ½d
Gwent	Llanfair Discoed		7a-b	Canterbury	Henri	cut ½d
Gwent	Mathern		1b	London	Pieres M	penny
Gwent	Mathern		1c	Carlisle	Alain	penny
Gwent	Mathern		4a	Canterbury	Roberd	penny
Gwent	Mathern		7b	London	Raulf	penny
Gwent	Monmouth	town	4b	Cant./London	Goldwine	penny
Gwent	Monmouth	town	6-7?	uncertain	uncertain	cut ½d
Gwent	Monmouth	town	6a-c	London	Ilger?	cut ½d
Gwent	Rogiet		7b	Canterbury	Osmund	penny
Gwent	St Arvans		6cl	London	Abel	penny
Gwent	Usk		7a-c	London	Adam	cut ½d
Gwynedd	Caernarfon	(Segontium)	5b	Canterbury	Iohan	penny
Gwynedd	Degannwy	Castle	7b	Bury	Norman	penny
Gwynedd	Harlech	Castle	5bii	London	Ilger	penny
Gwynedd (Anglesey)	Castell Bryn Gwyn		7a-c	Canterbury	Iohan	penny
Powys	Montgomery	Castle	5a-c	Winchester	Ricard	penny
Powys	Montgomery	Castle	6a-c	uncertain	uncertain	penny
Powys	Montgomery	Castle	6b	Canterbury	Samuel	penny
Powys	Montgomery	Castle	6b	London	Walter	penny
Powys	Montgomery	Castle	7a-c	London	Terri	penny

APPENDIX 4: ANALYTICAL RESULTS

Ten of the Llanfaes coins were submitted to the Department of Materials, Oxford University, for analysis by electron microprobe. This was carried out by Dr J.P. Northover, with the following results.⁵⁴

No.	Type	Mint, moneyer	Fe	Co	Ni	Cu	Zn	As	Sb	Sn	Ag	Bi	Pb	Au	S
143	Short Cross, IVa	London, Stivene	0.01	0.00	0.02	4.45	0.04	0.00	0.00	0.00	94.28	0.11	1.00	0.08	0.02
170	Short Cross, Vc	London, Abel	0.00	0.04	0.01	3.92	0.00	0.00	0.00	0.00	94.39	0.09	1.42	0.12	0.00
304	Short Cross, iiic	Rhuddlan, Simond	0.04	0.03	0.00	4.25	0.03	0.00	0.01	0.00	94.42	0.14	0.89	0.17	0.02
306	Short Cross, iv	Rhuddlan, 'Simod'	0.02	0.00	0.00	5.20	0.03	0.00	0.05	0.00	94.20	0.07	0.37	0.05	0.01
338	Short Cross	Counterfeit, 'Ali...'	0.77	0.02	0.02	4.00	0.05	0.10	0.02	0.00	94.14	0.07	0.62	0.17	0.01
339	Short Cross	C'feit, 'Canterbury'	0.03	0.00	0.00	4.30	0.04	0.11	0.00	0.00	94.20	0.15	0.90	0.23	0.04
340	Short Cross	C'feit, 'London, Iohan'	0.00	0.00	0.01	5.56	0.06	0.00	0.02	0.00	92.11	0.00	2.16	0.06	0.01
380	Long Cross, IIb	London, Nicole	0.00	0.00	0.01	4.74	0.07	0.00	0.04	0.00	93.91	0.05	0.92	0.25	0.01
474	Long Cross, 'III'	C'feit, Cuinre	0.02	0.01	0.01	4.30	0.01	0.76	0.03	0.00	93.52	0.09	1.10	0.12	0.02
475	Long Cross, 'VI'	C'feit, Cuinre	0.00	0.02	0.01	3.73	0.00	0.00	0.11	0.00	94.55	0.05	1.39	0.11	0.03

These figures appear to demonstrate that all of the coins, including Rhuddlan and unofficial copies, are of a fairly uniform and high silver fineness – all but one lie above sterling. Dr Northover, *in litt.* 4 January 1996, confirmed that all were of generally sound metal and that surface enrichment, whether during manufacture or as a result of

⁵⁴ Each result is the average of two measurements.

corrosion, is unlikely. One other Rhuddlan analysis has been published, also carried out by Dr Northover, class Brand iib, of Tomas, which gave a silver fineness of 92.71 per cent.⁵⁵ Nine analyses of Short Cross imitations from the Naxos hoard have been quoted by Lord Stewartby.⁵⁶ The coins range from 83.6 to 93.1 per cent silver. A tenth coin, with a 'trade' source, gave 80.7 per cent. None of these coins, however, is from the same group (RE) as the Llanfaes copies, which are early in the imitative series. If, as suggested above (p. 55), the Rhuddlan coins are also an imitative, Welsh, issue, it is interesting to note that they and the early Continental copies may have adhered fairly closely to the official English standard – the motives of their issuers, perhaps, to produce acceptable sterling without incurring English mint charges.⁵⁷

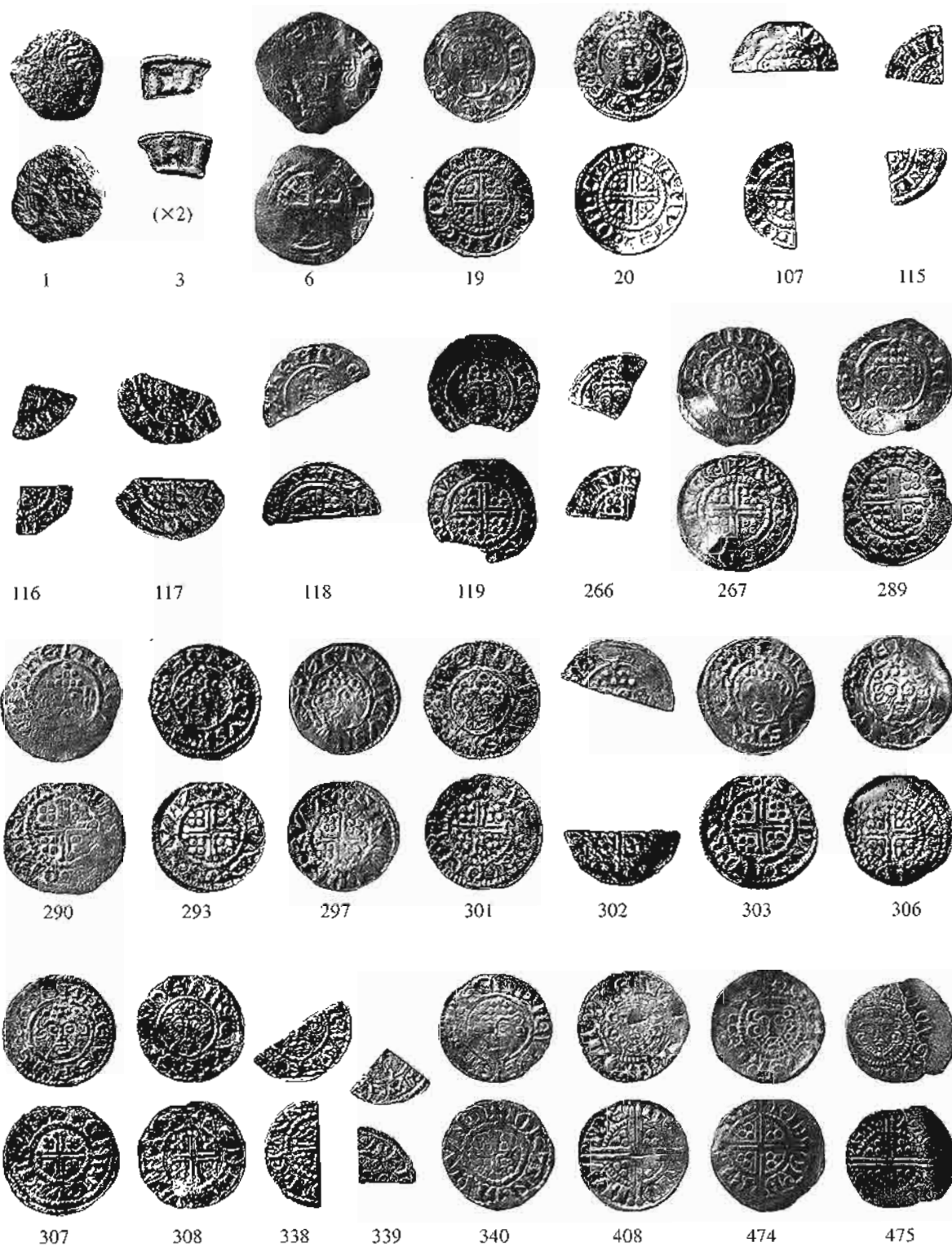
⁵⁵ G.C. Boon, *Welsh Hoards*, note 12, p. 63.

pp. 222–3 and 242ff.

⁵⁶ Lord Stewartby, 'German imitations . . .', note 17.

⁵⁷ I owe this suggestion to Nick Mayhew.

PLATE 4



BESLY: MEDIEVAL COINS FROM LLANFAES