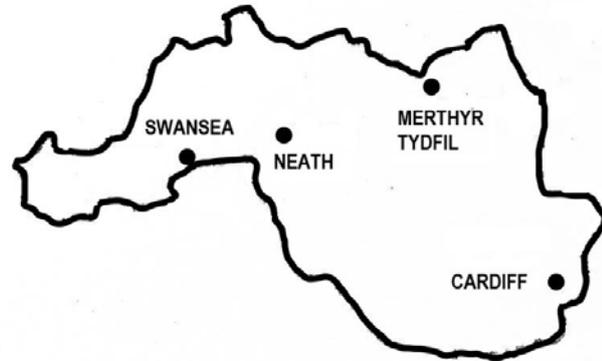
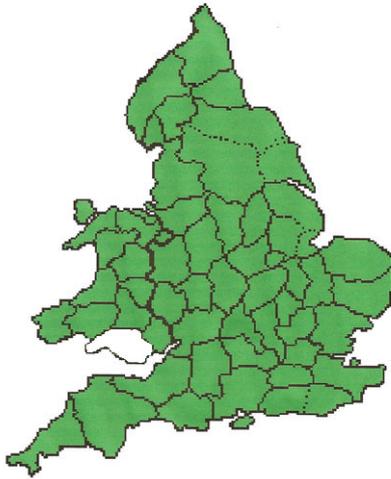


GLAMORGAN



Glamorgan is a large county in South Wales, bounded on the south by the Bristol Channel and to the north by the counties of Carmarthen, Brecon, and Monmouth. There is an extensive belt of industrial activity, centred around Cardiff, Swansea and Neath.

Strangely, the county acquired standards of measure, but not weight, in 1826 and 1835, and seems to have used the sets of weights issued to Cardiff and Swansea (see below). The police force took over inspection in 1859, by which time four complete sets of standards were available. A fifth set was added in 1879 when the Kibbor district was formed. After the Act of 1889 the police continued to operate as inspectors, but they were gradually replaced by qualified civilians.

The boroughs of Cardiff and Swansea obtained sets of standards in 1826, but in 1835 both agreed to loan their sets to the county. This led to a long period of uncertainty, which may account for the rarity of verification marks attributable to these places. The matter was not finally resolved until around 1870 when both boroughs acquired new standards and appointed their own inspectors. The borough of Neath had its own standards in the pre-Imperial period, but it did not acquire proper standards and appoint an inspector until 1889. Merthyr Tydfil became a municipal borough in 1905, and a county borough in 1908 when it also became a Weights and Measures Authority.

The lack of proper arrangements for inspection in Cardiff and Swansea is reflected in the lack of evidence for a specialist trade in scales and weights. Eventually scalemakers from Bristol began to set up in these places: Perry in Swansea by 1869 and Greader in Cardiff by 1876. The booming industrialisation of the late nineteenth century led to an influx of large firms, such as Avery, Bartlett, and Parnall, and many small local firms soon followed.

A: Inspection by the County of GLAMORGAN

Dates	Events	Marks	Comments
1826	Two sets of measures only acquired [250, Glam Co; 332 Merthyr Tydfil District].		Prior to 1834, Thomas Meyrick of Bridgend had acted as IWM.
1835	Three inspectors; a third set of measures [703] acquired; corporations of Cardiff and Swansea allowed county the use of their standards.		Inspectors 1834-59 <i>Cardiff/Eastern</i> Thomas Watkins (1834-45) Thomas Yorath (1845-59) <i>Merthyr Tydfil/Northern</i> Daniel Thomas (1834-) Edward Williams (-1839-45) David Mathias (1846-59)
1841	County police force formed.		<i>Swansea /Western</i> William Haynes (1834-6) Richard Evans (1836-40) Henry Taylor (1840-59)
1846	Additional sets of standards [941, 942] were acquired to complete the sets for the Swansea and Cardiff districts.		Police districts 1841 onwards <i>(names varied):</i> Merthyr Newbridge/Pontypridd Ogmore/Bridgend Swansea/Neath
1852	Weight standards [1073] acquired for Merthyr Tydfil.		
1859	The four police superintendents appointed to act as inspectors. Two additional sets of standards [1267-8] acquired.		<i>Formed 1879:</i> Kibbor/Barry Dock
1866	Four police officers act as WM inspectors.		MD and ND marks appear on weights carrying the verification numbers for the Merthyr and Newbridge Districts and are thought to designate these districts.
1879	Fifth district formed from Hundred of Dinas Powis and Llandaff PSD; Nos.285-289 issued for the five districts. A set of standards [1639] acquired.		



¶ Details from a brass 2 oz weight, showing the MD mark alongside the verification number 285, signifying the Merthyr District, and from a 4 oz one, showing the ND mark, signifying the Newbridge District.

WEIGHTS & MEASURES AT DOWLAIS.

(To the Editor.)

SIR,—Had your correspondent been conversant in the law relating to weights and measures, he might have saved himself the trouble of writing the paragraph which appeared in your last week's impression, and if he will take the pains to read the 63rd chapter of the act applying thereto, he will find that it is the inspectors duty to attend every market town once a year (or oftener by the discretion of the magistrates) with his imperial standard, and there compare and stamp all weights, &c., that may be "brought to him," and without a public notice how are the tradesmen to know that he is there. He should know also if other inspectors are taking the law into their own hands by paying the shopkeepers an "unexpected" visit, seizing their weights and scales, without first giving them a chance to have them corrected (for every reasonable man must admit that there is a wear and tear to all things) that is no reason for the Merthyr inspector to do the same. If, after a notice given, parties do not bring their weights, &c., to be compared and corrected, it is then (or upon receiving an information from any one) the inspector's duty to pay them the "unexpected" visit your correspondent recommends. Perhaps your correspondent is not aware that the inspector keeps a book in which he registers the number and weight of all weights, &c., in his district, so that he can easily ascertain whether they bring all their weights or not, and if your correspondent had only waited a few weeks until the inspector finished his rounds, he might have heard by some friend or other, or through your paper, that the inspector had paid an "unexpected" visit to some of his friends at Dowlais.

I remain, Sir,

Your obedient servant,

Church Street, D. MATHIAS, Inspector.
Merthyr Nov. 27th, 1855.

P.S.—If your correspondent knows of any party using illegal weights, &c., he will do more justice to the public by informing the inspector thereof, than displaying his ignorance of what the inspector "ought" or ought not to do. D. M.



NOTICE.

THE Inspector of Weights and Measures will attend at the POLICE STATION, Merthyr, on SATURDAY and MONDAY next, MARCH 24th and 26th, 1860, in order to examine, compare, and Stamp, if found correct, all Weights and Measures used in the town of Merthyr, including Penydarren below Gellyfaelog Bridge. Persons using unstamped or improper Weights or Measures will be proceeded against according to Law.

HENRY WRENN,
Inspector of Weights and Measures.
Constabulary Office, Merthyr Tydfil,
21st March, 1860.

¶ Two extracts from the *Merthyr Telegraph*,
1 December, 1855, p. 1 and 24 March, 1860, p. 1

Dates	Events	Marks	Comments
Police Officers as Inspectors 1859-1901-			
<i>Merthyr</i> Henry Wrenn (1859-68) John Thomas (1868-89) Capt Lionel Lindsay (1889-91) James Thorney (1891-1900) G. Townsend (1900-01) J.A. Wilson (q 1900/1-20)	<i>Newbridge (Pontypridd)</i> James Thomas (1859-70) Jabez Matthews (1870-91) Evan Jones (q1891/2-1897) Thomas Cole (1897-1901) <i>Ogmore (Bridgend)</i> Richard Sadler (1859-76) James Thomas (1877-91) F.J. Jennings (1891-1901)	<i>Swansea (Neath)</i> John Thomas (1859-68) Jabez Matthews (1868-70) John Howlett (1870-89) James Thorney (1889-91) James Thomas (1891-1901) <i>Kibbor (Barry Dock)</i> Thomas Wake (1879-94) J.F. Giddings (1894-1912-)	

TO COACH MAKERS & OTHERS.

PERSONS desirous of TENDERING for the supply of FOUR Strong and Well-finished CONVEYANCES, on the Dog-Cart principle, having a cross spring at the back, for conveying the Standard Weights and Measures throughout the County of Glamorgan, with Seat for two in front, are requested to send Sketch, Description, and lowest Price, to the CLERK OF THE PEACE for GLAMORGAN, CARDIFF, on or before the 28th FEBRUARY, 1859.

The Weights to be carried about 550 lbs. (exclusive of the Persons in charge).

The several Packages will be about	in.	in.	in.
	27	25	12
	49	19	10
	17	12	11
	22	9	9
	37	21	9

The lowest Tender will not necessarily be accepted. Two of the Carriages to be delivered on or before the first day of April, 1859, in perfect condition, free of expense, at Cardiff; and two in like manner, at Swansea. The whole to be kept in repair for 12 months, after delivery at the cost of the Contractor.

THOS. DALTON,
CLERK OF PEACE.

¶ An advertisement from *the Cardiff and Merthyr Guardian, Glamorgan, Monmouth and Brecon Gazette*, 12 February, 1859, p. 6.



¶ Details from a group of three brass weights, showing various forms of the verification marks used in Glamorgan. Top: VR ND and VR285 (4 oz Newbridge). Bottom: VR287 (1/2 oz Gowerton); and VR288 (2 oz Port Talbot).

	Events	Marks	Comments
1889	Glamorgan CC set up. Neath becomes a separate authority, but continues to appoint the county inspector.		The police superintendents continued to be listed as IWM, even after civilian inspectors had qualified.
1901	Qualified inspectors took over from police officers but the department remained under police control. Supt Giddings remained IWM for Kibbor district until c1914.		Qualified inspectors <i>Aberdare (285)</i> Conway Morgan (q1894/5-1912-18) [MR 19:19] E. Jones (1918-26) R.P. Gough (1926-1930) E. Richards (1930-39-) W.B. Davies (-1942-56-)
1908	Merthyr becomes a separate authority.		<i>Pontypridd (286)</i> H. Hill (q1900-1928-) W.A. Jones (-1933-56-)
1919	No.284 issued – but not being used in 1922.		<i>Gowerton (287)</i> A.A. Eddins (q1908-1930 then chief) R.P. Gough (1930-52) H. Evans (1952-67) [MR 67:291]
1926	Nos.280 and 282 issued. Three new districts set up: Ystradmynach (280) Ton Pentre (282) Bridgend (284)		<i>Port Talbot (288)</i> E. Williams (q1898/9-1927) E.M. Abraham (1927-59) [MR 59:129] B. Bezant (1959-72-) [MR 59:180] <i>Barry Dock = Kibbor (289)</i> E. Richards ((q1915) 1919-39 then chief) A.S. Eddins (1939-66) [MR 66:202] <i>Ystradmynach (280)</i> E.J. Smith (1926-35) [MR 35:179] I.G. Davies (-1939-) B. Evans (1950-56-) <i>Ton Pentre (282)</i> I.G. Davies (1926-30) B.P. Bowen (1930-65) [MR 66:79] <i>Bridgend (284)</i> H.S. Williams (1926-58) [MR 58:268; 74:193] L.K. James (1958-66 then chief) [MR 58:123] C. Harman (1966-72-) [MR 66:202]

	Events	Marks	Comments
1930	Department removed from police control, and a civilian chief inspector appointed. No.461 issued – used by the inspector of petrol pumps, G. Morgan (later chief).		<i>Chief inspectors</i> A.A. Eddins (1930-39) [MR 40:3] E. Richards (1939-58) [MR 58:124] G. Morgan (1958-65) [MR 58:157; 66:3; 71:147]
1965	Rhondda becomes a WMA, Ton Pentre office closed.		L.K. James (1966-74) [MR 79:204]
1974	Area divided between the new County Councils of Mid Glamorgan, South Glamorgan, and West Glamorgan.		

B: Localities with separate jurisdiction in the county of GLAMORGAN

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Cardiff	AncBo MB:1835 qsb CB:1888		252	s:1826 [178], 1872 Nos. 615-618 also used

Traditionally, weights and measures in Cardiff were under the authority of the Court Leet of the Manors of Llystalybont and Rothdogfield, where the Marquis of Bute was Lord of the Manor. This court seems to have continued well into the 19th century, when it was held annually in October. W. Luke Evans (see below) claimed to have served regularly as a juryman.

The office of Public Weighman had been established in 1747, following unease about the lawfulness of the scales and weights then in use [1].

In 1826, a short set of standards was issued to J. Richard and J. Bird, Magistrates. In 1835, the Corporation of Cardiff, along with that of Swansea, loaned the standards to the county, free of charge [CMG: 10/1/35]. This set was completed by the County Treasurer and then entrusted to Mr Watkins, the county inspector for the district. In 1845, it was reported that there had been no inspection in Cardiff itself for some years, and that the weights transferred to the newly-appointed district IWM were defective [CMG: 5/7/45]. Thomas Yorath, the district inspector, then became active within Cardiff, and in 1846 at a Town Council meeting, the Mayor suggested that he carry out inspections without prior notice [CMG: 6/2/46]. The mark illustrated above was probably used at this time. In 1855 [W] and 1858 [Bi] Yorath was listed as a cooper.

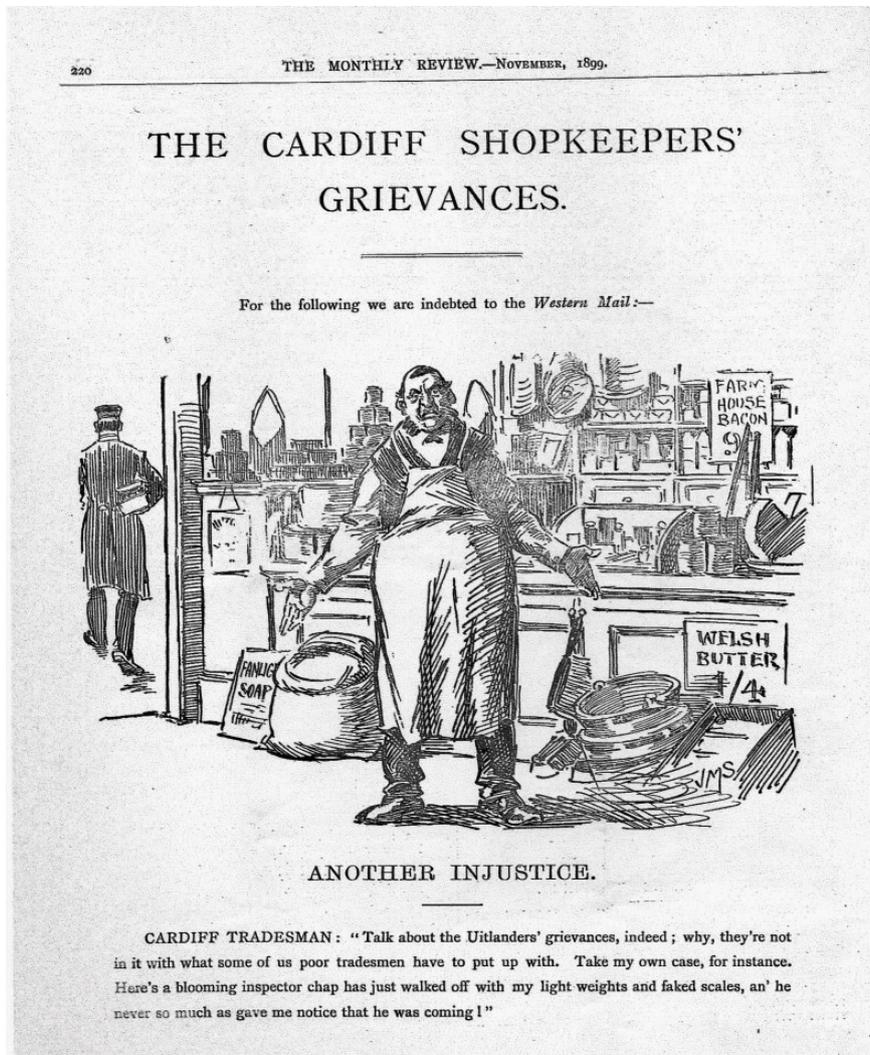
The situation changed radically when the Superintendents of Police took over inspection for the county districts. Supt John Thomas was deemed to have no authority within the borough [CMG: 16/2/61], although he was listed as the IWM in 1863 [W]. This state of affairs rumbled on: the Cardiff corporation could only appoint its own IWM if it had its own Quarter Sessions [CMG: 16/2/61], currently the power to appoint/dismiss lay with the County [CMG: 28/9/61]. The Standards Commission report of 1867/8 simply stated that 'inspection in Cardiff had been transferred to the county'. Discussion regarding a Cardiff Local Act was reported in 1870 [CMG: 19/10/70; WM: 22/11/70], which culminated in the Cardiff Improvement Bill [WM: 5/4/71; 5/5/71; 15/8/71], of which one of the key clauses was that the Corporation should be empowered to appoint its own IWM. When this passed into law, the Corporation moved to acquire the necessary beams and scales from Messrs De Grave, Short & Co of London [WM: 26/9/71] and to appoint W. Luke Evans as its IWM [SWDN: 13/2/72]. It seems that Evans was ineffective, but it was only in 1893 that the need for a more active IWM was recognised.

The first qualified inspector was T.C. Major (1893-1927) [MR 23:179; 27:91; 37:71]. In 1899 he initiated a strict regime, prompting a cartoon in the *Western Mail* (see below) [MR 99:213-4, 220]. He was followed as chief inspector by Henry Eddins (1927-42) [MR 27: 194; 42:95; 55:28], C.S.Barnes (1942-60) [MR 42:95; 60:36], H.F. Lacey (1960-64) [MR 64:187], and O.W. Barnes (1964-74) [MR 64:159].




NOTICE.
THE INSPECTOR of WEIGHTS and MEASURES will
 attend at the **TOWN HALL, Cardiff**, on the 1st **MONDAY**
 February, May, August, and November, 1861; and on the
 following **THURSDAYS** at the **WINDSOR HOTEL, DOCKS,**
Cardiff, in order to **EXAMINE, COMPARE, and STAMP**, if found
 correct, all **WEIGHTS and MEASURES** used in the Borough
 Cardiff and in the Parish of Roath.
 Persons using unstamped or improper Weights and
 Measures will be prosecuted according to Law.
JAMES THOMAS,
 Inspector of Weights and Measures.
 Police Office, Pontypridd.

¶ Left: The old Cardiff verification mark, surmounted by the letter S, on a ½ oz brass weight.
 Right: An advertisement from the *Cardiff, Merthyr Tydfil, Glamorgan, Monmouth and Brecon Gazette* of 26 January, 1861, p. 3. Although the Superintendent of Police for the County District tried to inspect in Cardiff, the borough did not accept his right to do so.



¶ A cartoon published in the *Monthly Review*, November, 1899, p. 220, originally from the *Western Mail*.



¶ Detail from a 1 oz brass weight that was stamped in Bristol (CBC and City of Bristol surrounding C), the Newbridge District of Glamorgan (ND), and Cardiff (VR252 overstruck).

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Merthyr Tydfil	MB:1905 CB:1908	---	578 623	s:1908 578: 1910-74 623: 1908-74

When Merthyr became a CB in 1908, standards were obtained and the number 623 was issued. A separate police force was established, and the first chief constable was James A. Wilson, previously superintendent of the county division, who had qualified as IWM in 1900/01. He continued as CC and chief inspector of WM until 1920. In 1910 another inspector, I.G. Davies, qualified, was issued with the number 578, and was listed in 1912 but he moved to Pontypool before 1922.

F.H. Jenkins (q 1915) was chief inspector (1922-50) [MR 51:21]. Both numbers were listed in 1928 but only 578 was used by 1939. W.E. Adams succeeded as chief (1950-72-).



¶ Detail from a 2 oz brass weight, with the verification number GR578 for Merthyr Tydfil, together with stamps showing the years in which the weight was re-verified.

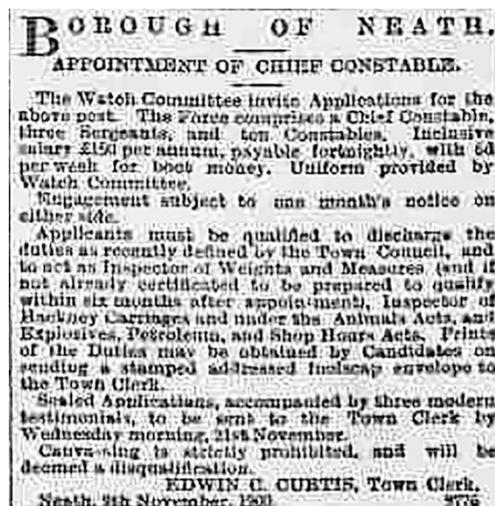
Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Neath	AncBo MB:1835 cp	---	481	s:1889 [2048] n:1890-1974

There are references to old standards at Neath in the archives of the Neath Antiquarian Society [NAS/GAT 1/1/4], but all references to inspection indicate that it was carried out by the County.

When Neath acquired standards and was issued with the number 481 in 1889, Evan Evans (CC 1888-99) undertook the role of IWM, being listed as such in 1892 and 1896 [AR], but he was unqualified. Robert Kilpatrick (CC 1899-1900) was a qualified inspector. Advertisements for a Chief Constable in 1900 stated that the new CC would be required to act as the IWM and if not already qualified, should qualify within six months of appointment [SWDN: 12/11/1900; WM: 11,12/11, 1900]. However, Kilpatrick's immediate successors as chief constable were both unqualified. William Higgins (CC 1907-21) had qualified in 1891/2 in Ireland and is listed as IWM in 1912 [Hbk]. When his successor H. Rawlings (CC 1921-26) failed to qualify, the Swansea inspector Jehu Bingham was appointed from 1922-25. [MR 25:127]. From 1926 to 1939 the post of inspector was held by E.M. Abraham, the county inspector for the Port Talbot district of Glamorgan. In 1927, the Glamorgan Local Government Board acquired the Neath standards, the cost of overhauling them being borne by the Borough [MR 1927: 93].

In 1939 the borough decided to set up its own WM service, and W.O. Bowen was appointed as IWM. He served until 1963 [MR 63:148].

Rhondda. This town was part of the Ton Pentre district of the county. It became a municipal borough in 1955, and a WMA in 1965 [MR 66:79].



¶ One of several advertisements published in the *South Wales Daily News* and the *Western Mail*, 12 and 13 November, 1900, requiring that the new Chief Constable of Neath should act as the Inspector of Weights and Measures, and that, if unqualified, he qualify within six months of his appointment.

Locality	Status	Marks		Dates & Notes
		Non-uniform	Number pre-1951	
Swansea	AncBo MB:1835 qsb CB:1888	 ?	296	s:1826, 1869, 1889 [2044], 1890 [2114] n:1879-1974

In 1826 standards [152] were issued to the clerk of the market, L. Thomas. In 1835, the corporation of Swansea allowed its complete set of standards to be used by the county, free of charge [CMG: 10/1/35]. A year later, when 'Mr Harrison' retired as the IWM, the county appointed Richard Evans, subject to the approval of the Swansea magistrates [CMG: 9/4/36]. In 1845, the standards were still in use by the county, but the corporation decided that they should only be used within the borough [CMG: 5/7/45]. In 1850 and 1853, there were complaints that the Glamorgan inspector was effectively acting only as the IWM for Swansea, not travelling outside the borough [CMG: 5/1/50, 25/6/53, 6/10/54]. However, in 1860, the problem was that the borough had appointed its own IWM, although it was argued that the borough was subsumed in the county district [CMG: 7/1/60]. The borough continued to claim its exemption from inspection by the county police force [CMG: 7/4/60]. In 1865 [We], Richard Lewis was listed as IWM and again in 1868 [S]. It was officially recorded in 1866 that a whitesmith was acting as inspector.

New standards [1431] were issued in 1869, and John Allison (CC 1865-77) is first cited as IWM in that year [WM: 5/6/69] and is listed as IWM in 1871 [K] and 1875 [Wo], continuing in post until his death [WM: 2/1/78]. Inspector George Holland was appointed IWM on a full-time basis, and raised to the grade of Superintendent [WM: 2/10/78], resigning in 1891 [WM: 3/4/91], with superannuation at the level of a Superintendent of Police.

The first qualified inspector was Jehu Bingham (q1890/1-36). He was followed by W.H. Hiscocks (chief 1936-46) [MR 47:3, 30] and F.W. Brown (chief 1947-74) [MR 47:63, 79:108].



¶ Detail from a 1 lb brass weight, showing the verification mark VR296 for Swansea.

C: The trade in Glamorgan

**KIRK & GREADER,
SCALE, WEIGHT, WEIGHING MACHINE
AND MILL MANUFACTURERS,
AND GROCERS' OUTFITTERS.**

*Repairs of every description punctually attended to by experienced Workmen.
Manufacturers of the Patent Agate and other Balances, which are specially recommended for
accuracy and durability.*

19, CAROLINE STREET, CARDIFF.

¶ An advertisement from Butcher's Cardiff Directory of 1880-1, p. 56.

ESTABLISHED 1876.
GREADER & HOWELL
(Late T. H. GREADER),
**CAROLINE STREET, CARDIFF,
Scale and Weighing Machine Makers**



AND
Grocers' Outfitters.
SHOP FITTINGS FOR ALL TRADES.

A well-selected Stock of
Scales and Balances and Trade
Utensils to suit all Businesses.

WEIGHBRIDGES
From 5 to 100 tons. Prices on
Application.

The South Wales Agency for
PARNALL & SONS, Limited, Makers of the World-Renowned Balances.

All Classes of Repairing, Adjusting, and Preparing for Stamping done on the Premises,
in accordance with the New Regulations of the New Weights and Measures Act.

¶ An advertisement from the 1901 Cardiff Directory Advertising Sheet, p. 8.



¶ Details from two 1 lb brass weights, illustrating variants of the mark of T.H. Greader.

CARDIFF

Greader

T.H. GREADER
MAKER
CARDIFF

Thomas Henry Greader, b<1854> in Bristol, established his scale-making business in 1876. William Kirk was listed as a scalemaker at the Caroline St address in 1880 [S] but the company was cited as Kirk and Greader the same year [B]; the listing then reverted to Greader in 1882.

- 18/19, Caroline Street <1882-1900>

However, in 1901, the company appeared as Greader & Howell (Late T.H. Greader); the accompanying advertisement includes the information that Greader was then acting as the South Wales Agency for Parnall & Sons, although Parnall had a presence in Swansea then. Parallel to this, the listing also remains as T.H. Greader.

- 18/19, Caroline Street <1901-3>

The firm then changed its name to Greader & Son, working from the same address initially.

- 18/19, Caroline Street <1904-1919>
- 22/24, Wyndham Arcade <1920-24>.

A second company Bracey and Greader was listed at 1A, Wood Street in 1918, as “scale and weighing machine makers, and expert repairers and adjusters”.

See also **Preston & Thomas**.

Avery

W. & T. Avery advertised their Cardiff depot in the Western Mail in April, 1890.

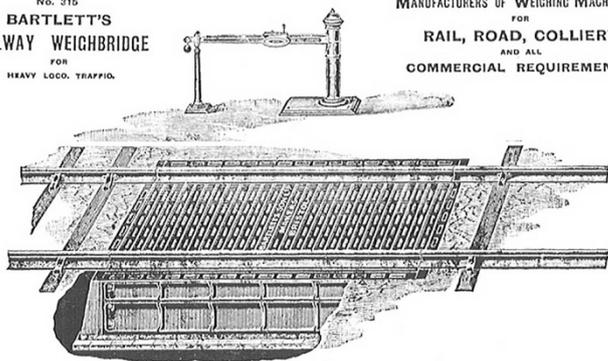
- 6, New Street <1890-94->.

By 1895, the firm had moved premises

- 18 and 22 /24 Custom House Street <1895-1908> [1908 Hbk]
- Hope Street (repairing depot) <1900-32>
- 38, The Hayes <1910-22>
- 95, St Mary's Street <1923-37>
- 314/316, Cowbridge Road, Canton <1949>
- 62/65, Frederick Street <1952-72>.

No. 315
BARTLETT'S
RAILWAY WEIGHBRIDGE
FOR
HEAVY LOCO. TRAFFIC.

MANUFACTURERS OF WEIGHING MACHINERY
FOR
RAIL, ROAD, COLLIERY
AND ALL
COMMERCIAL REQUIREMENTS.



¶ Advertisement taken from
the 1901 Cardiff Advertising
Sheet, p. 11

BARTLETT & SON, LD. 2 & 3, Welsh Back, BRISTOL
AND
MILL LANE, CARDIFF.

CARDIFF continued

Bartlett	<p>A branch of the Bristol firm, which was taken over by Pooley in 1910, which in itself was taken over by Avery in 1914, but still continued to trade under its own name.</p> <ul style="list-style-type: none"> • 37, Mill Lane <1891-1919> • 35, Wyndham Arcade <1907> • 258, Bute Street (repairing depot) <1911-22>.
Pooley	<p>Henry Pooley & Son were first listed in Cardiff at their repairing depot at</p> <ul style="list-style-type: none"> • Arch 29, Tyndal St, East Bute Docks <1899-1908> <p>They were also listed variously at East and West Bute Docks</p> <ul style="list-style-type: none"> • 52, Bute St, East Bute Dock <1901-37>. <p>The company was taken over by Avery's in 1914, although it still continued to trade under its own name.</p> <ul style="list-style-type: none"> • 37, Mill Lane <1914-22> • 35, Wyndham Arcade <1922> • 37, Westgate Street <1923-37> <p>(Hodgson & Stead Ltd was also listed at this address in 1923></p> <ul style="list-style-type: none"> • 103, Bute Street <1949>.
Bryant	<p>Gilbert Bryant was a scalemaker</p> <ul style="list-style-type: none"> • 26a, Park Street <1906-07>.
Cross	<p>Cross Brothers, scale makers [1908 Hbk]</p> <ul style="list-style-type: none"> • 3-4, St Mary Street <1908>.
Bloomfield	<p>H. Bloomfield & Sons were listed as scale makers.</p> <ul style="list-style-type: none"> • 18, Millicent Street <1920 > • 19/18, Quay Street <1922>.
Asco	<p>The Automatic Scale Company was first listed in Cardiff in 1920 as scale makers.</p> <ul style="list-style-type: none"> • 19, Quay Street <1920> • 40, Cyfarthfa Street <1922-26> • 16a, Pembroke Terrace <1934> • 168, City Road <1937-67>.
Preston & Thomas	<p>Preston & Thomas, scale makers, took over the premises occupied by Greader and Son, and in 1934 added Late Greader & Son to their listing.</p> <ul style="list-style-type: none"> • 18, Caroline Street <1920-1937> • Minny Street (works) <1932-37> • 4, Tudor Street, Canton <1926>.
Goodman	<p>Goodman Bros Name seen on weights and scales but no further details known.</p>
Berkel Auto Scale Co	<p>The scale making business was first listed in 1926.</p> <ul style="list-style-type: none"> • Western Mail Chambers, St Mary Street <1926> • 17, Pembroke Terrace <1932-37> • 55, Charles Street <1949-61>.

Bracey	<p>B. & H. Bracey were first listed as scale makers at premises previously occupied by Pooley & Son. In 1922, R. Bracey had been listed as a scale repairer, working at Bartlett & Son Lim.</p> <ul style="list-style-type: none"> • 35, Wyndham Arcade <1932-49> • 53, Bridge Street <1949-72> • Frederick Street <1952-72>.
British Weighers & Slicers	<p>This company advertised as weighing machine and weighbridge makers in 1937 at</p> <ul style="list-style-type: none"> • 6, Fitzalan Road <1932-37>.
Parnall	<p>Parnall & Sons, Ltd advertised a branch in Cardiff, at premises previously occupied by W & T Avery until 1922.</p> <ul style="list-style-type: none"> • 38, The Hayes <1932-37>.
Batey	<p>D.H. Batey advertised as scale and weighing machine makers and repairers in 1937 at</p> <ul style="list-style-type: none"> • Barracks Lane, Bridge Street <1937>.
National Cash Register	<p>The National Cash Register Co Ltd advertised as scale and weighing machine makers and repairers in 1937.</p> <ul style="list-style-type: none"> • 51, St Charles Street <1937>.
Ashworth	<p>E. & A. Ashworth Ltd first advertised in 1949, as scale and weight makers.</p> <ul style="list-style-type: none"> • 88, City Road <1949-64>.
Priad Scales	<p>Priad Scales Ltd advertised as weighing machine manufacturers.</p> <ul style="list-style-type: none"> • 7, Fitzhamon Lane, Riverside <1949-52>.
Cardiff Scale Co	<p>The Cardiff Scale Co advertised first in 1952 as scale and weight makers.</p> <ul style="list-style-type: none"> • Cardiff Airport <1952> • 26c, Tudor Street, Riverside <1955> • 55, Churchill Way <1958>.
Swift and Swallow	<p>Swift and Swallow Ltd were first listed as scale and weight makers in 1952.</p> <ul style="list-style-type: none"> • 433, Cowbridge Road, Canton <1952-58>.
South Wales	<p>South Wales Scale Co., division of D. Brash & Sons Ltd, [YP]</p> <ul style="list-style-type: none"> • Calibra House, Splott Industrial Estate, Portmanmoor Road <2007>.

SWANSEA	
Perry	<p>John G. Perry was recorded as a scale maker in Bristol [M 1866, 1868]. He was in Swansea by 1869 [PB], [K1871, 1891].</p> <ul style="list-style-type: none"> • 40, Waterloo Street <1869> • 60, High Street <1871-75> • 75, High Street <1884-91>.
Iles	<p>Edward Iles, scale maker (late of Pooley, Liverpool) [1881-82]. Born in Bristol c1846 [Census 1881].</p> <ul style="list-style-type: none"> • 12, Plymouth Street <1880-91> • Singleton St <1885> • 25, Nelson St <1891>.
Parnall & Sons	<p style="text-align: center;">PARNALL & SONS LTD SWANSEA</p> <p>Branch of the Bristol firm [Wr]</p> <ul style="list-style-type: none"> • 12, Alexandra Road <1893-1910> <p>Acquired by Avery in 1898, but continued with same name and address.</p>



¶ Details from two brass weights, showing variants of the mark used by the Swansea branch of Parnall & Sons Ltd. The second one has the Alexandra Road address.

PARNALL & SONS, LTD.,
12, ALEXANDRA ROAD, SWANSEA.
 Head Office and Works, NARROW WINE ST., BRISTOL.

Manufacturers of railway weighbridges, Wagon and Cart Weighing Machines, Pit, Bank and Tram Weighing Machines, and all other kinds of Weighing Instruments. Prices and full particulars on application.
REPAIRS to all kinds of Weighing Machines by practical workmen by contract or otherwise. Enquiries solicited.

¶ Advertisement from Wright's Swansea Directory of 1899, p. 175.

SWANSEA continued	
Avery	Avery W. & T. acquired the Parnall firm in 1898 (see above), but also traded under their own name: <ul style="list-style-type: none"> • Maliphant Street, Neath Road <1901-> • 12, Alexandra Road <1910-34>.
Pooley	Henry Pooley and Sons, Ltd. had a presence in Swansea at <ul style="list-style-type: none"> • 1, Melbourne Place, St Helen's Road <1910-12> • Central Buildings, Fisher St <1918-26> (In 1923, Hodgson & Stead were also listed at this address.) <ul style="list-style-type: none"> • 10, Alexandra Road <1934>.
Thompson	W. THOMPSON & SON SWANSEA
	William Henry Thompson & Son, scale and weights manufacturers [KMT]. <ul style="list-style-type: none"> • 6, Calvert Street <1910-34> • 3, Western Street <1940>.
Bryant and Hiscocks	Bryant and Hiscocks were listed variously as weighing machine manufacturers and scale makers: <ul style="list-style-type: none"> • 58, Orchard Street <1914-34> • 46, St James Street <1926>.
Gravity Scale Co.	The Gravity Scale Co. was first listed in 1952. <ul style="list-style-type: none"> • Francis Street <1952-67>.



¶ Left: detail from a 2oz brass weight, W. Thompson & Son.
Right: ceramic scale plate, Bryant and Hiscocks.

ABERDARE

Avery	W & T Avery Ltd were first listed as scale makers here in 1923. <ul style="list-style-type: none">• 49a, Commercial Street <1923>• 49a, Cambridge Street <1934>.
Hounsell & Cooke	Hounsell & Cooke were listed as scale makers and repairers and weighing machine manufacturers, at <ul style="list-style-type: none">• Market Street <1923-34>. Avery was considering the acquisition of the company in the period 1940/1 but this was not completed.

MERTHYR TYDFIL

Avery	W & T Avery Ltd were listed at Express Buildings, Glebeland St in the 1906 Handbook. <ul style="list-style-type: none">• 45, Glebeland St <1906-10>• Pontmorlais Circus <1914-26>.
Pooley	Henry Pooley and Sons Ltd were only listed at 10, Victoria Street in 1914.

NEATH

Avery	W & T Avery Ltd were listed in Neath at 11, Cattle Street in 1914.
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PONTYPRIDD

Avery	W & T Avery Ltd were first listed here in 1906. <ul style="list-style-type: none">• 30/32 Mill Street <1906-34>.
Preston & Thomas	Preston and Thomas advertised a branch in Pontypridd: <ul style="list-style-type: none">• Market Street <1923-26>.

PORT TALBOT

Avery	W & T Avery Ltd were first listed in the Inspectors Handbook of 1908. <ul style="list-style-type: none">• Ystwyth Yard <1908-1920>• Courtland buildings <1923-26>.
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References for Glamorgan

Published Works

1. William Rees, *Cardiff – A History of the City* (Cardiff, 1962).

Directories

B Butcher & Co's Directory of Swansea, Neath, ... ST1731 1875
BC Butcher & Co's Directory of Cardiff, Newport, ... ST1735 1880
Be Bennett's Business Directory ST1701 1900
Bi Bird's Cardiff Directory and Handbook ST1728 1858
C Cardiff and District Trades Directory ST1744 1899
Co Cope's South Wales and Monmouthshire Guide ST1704 1907
E Eyre's The Wales Register and Guide ST1693 1878
K Kelly's Directory of Monmouthshire and the Principal Towns of South Wales ST1689 1871-1926
KMT Kelly's Directory of the Engineers and Iron & Metal Trades ST2008 1913
M Mat(t)hew's Annual Directory of Bristol ST466 1866-68
NSW North and South Wales Trade Directory ST- 1934
P Pearse's Commercial Directory to Swansea ST1725 1854-56
PB Pearse and Brown's Swansea Directory ST1730 1869
Pu Purrier's Swansea Directory ST1748 1908
S Slater's Directory of North and South Wales ST1694 1880
SC Slater's Post office Directory of Cardiff SR1736 1882-4
T Trades Directory of Wales ST1702 1901-18
W Wakeford's Cardiff Directory ST1725 1856
We Webster's and Co. Postal and Commercial Directory of the City of Bristol and Counties of Glamorgan and Monmouth ST44 1865
Wi Wilson's Trade Directory of Wales ST- 1885
WM Western Mail Cardiff Directory ST1745 1900-37
WMK (Kelly's) Western Mail Cardiff Directory ST1754 1949-72.
Wo Worrall's Directory of South Wales ST1691 1875
Wr J. Wright & Co's Bristol & Clifton Directory ST 478 1899
YP Yellow Pages.

Newspapers

[CMG] Cardiff and Merthyr Guardian, Glamorgan, Monmouth and Brecon Gazette 1833-70
[MT] Merthyr Telegraph and General Telegraph for the Iron Districts of South Wales 1856-72
[SWDN] South Wales Daily News 1872-1900
[SWDP] South Wales Daily Post 1893
[WM] Western Mail 1869-1895.

Original documents

Glamorgan Archives (Cardiff)

There are many items (not seen): for example, documents relating to weights and measures from the county quarter sessions 1834-1892 [Q/A/V/2].

West Glamorgan Archives (Swansea)

There are many documents relating to WM in Swansea, including a record of the transfer of standard weights and measures to a new inspector in 1792 [D/D XQU69].

The records of the borough of Neath also contain relevant material [B/N 117, 119, 129, etc.].

The archives of the Neath Antiquarian Society include papers of Glen Taylor which mention old weights and measures in Neath [NAS/GAT/1/1/4, 1/7/38].

'Cardiff Records'

Online transcripts include 'Reminiscences of Old Inhabitants' Vol V, Chapter VI: William Luke Evans.